UMASS/AMHERST
312066005397545

84-5
Fort, Sec.
No. 9252

UNIVERSITY OF MASSACHUSETTS · AMHERST · 1863

DATE DUE

UNIVERSITY OF MASSACHUSETTS
LIBRARY

SB
1
W9
1884-85

LIBRARY

MASSACHUSETTS AGRICULTURAL COLLEGE

TRANSACTIONS

OF THE

WORCESTER COUNTY

HORTICULTURAL SOCIETY,

FOR THE YEAR 1884.

COMPRISING THE

ANNUAL REPORT OF THE SECRETARY,

AN APPENDIX,

THE REPORT OF THE LIBRARIAN,

A LIST OF AWARDS DURING THE YEAR,

AND THE

BY-LAWS OF THE SOCIETY.

Worcester, Mass.
PRESS OF CHARLES HAMILTON,
311 Main Street.
1885.

LIBRARY
UNIVERSITY OF
MASSACHUSETTS
AMHERST, MASS.

632.06
W89
1884-5

WORCESTER COUNTY

HORTICULTURAL SOCIETY.

A. D. 1884.

ANNUAL REPORT OF THE SECRETARY.

To the Members of the

Worcester County Horticultural Society.

I CAN congratulate you, with cordial sincerity, upon a year of unparalleled success. The repairs and improvements of your Hall, just completed at the date of the last Annual Meeting, have met with merited appreciation and attracted generous patronage. Some further renovation,—imperatively required to preserve the work already done,—notably a new floor in the Hall of Ceres,—has been directed by the Finance Committee and is finished to their satisfaction. An unknown and radical defect in the sewerage of the building was detected, by the merest chance, and at once remedied in the most thorough manner, as was alike the interest of your tenants and of the Society itself. Every expense has been met from accruing revenue; and, what could not even be attempted A. D., 1883, there is also an important reduction in the sum of the corporate indebtedness. Thanks are due to our Janitor, whose assiduity has closely guarded our property from harm by the elements; and whose unwearied industry has met all the demands of a constant and exacting custom. Only those who have had occasion to be up night after night,—like those owners of Jerseys who, aware of the miraculous

precipitation of butter,—would yet prefer its extraction from the udder as a liquid; and therefore watch their herds by night,

"All sitting on the ground;"

from fear that the cream may steal a march upon them; those alone who, with all this, have been subject to an incessant beck and call, can realize the arduous nature of the duties imposed upon such an officer and how well they have been met in this particular instance.

Your *Weekly Exhibitions* have deserved public approval and have received it. Contributions have been ample,—latterly, profuse: in most cases showing a marked advance in cultural skill. Of course, there is a variation in departments, from year to year; some flowers being in richer bloom, some fruits in finer fragrance or flavor, as drought or moisture dominate the season. But the close observer is able to note the steady annual advance; the steps in progression which indicate that our mission has not proved a failure, and that the seed sown at our Weekly Exhibitions has not been lost in stony ground nor fatally choked by thorns. Those Exhibitions have fulfilled the purpose for which they were designed:—object-teaching of the multitude at a progressive school, without price or restriction.

Your numbers have been lessened, from natural causes, as elsewhere deplored: but there was also a healthy, because unsolicited, accession of new members. Only those who love Horticulture, for its own sake, are apt to apply of their own accord for admission to our ranks. None expect to re-coup themselves for the price of their certificate by a prospective dividend from the sale and distribution of our property.

"Come, let us kill him! And the inheritance may be ours!"

might be the motto of laborers in the Hebrew vineyard, as familiar to Christ. But the disciples of this latter dispensation construct rather than depreciate or destroy. As Horticulturists—they would prefer to build up and consolidate this Society, instrumental of good as it has been,—rather than disperse and confound it.

Yet the fact cannot be disguised that many faces have grown unfamiliar which used to brighten our Exhibitions. Anything that tends to lessen zeal or alienate co-operation, in a Society like this, is not alone to be regretted: it should be frowned down! That discord has crawled in among us; for she only crawls, never walking erect; is too painfully obvious to need mention. Whether those who have been successful in projecting and carrying out a certain definite line of policy; essential in their judgment to the continued vigor and vitality of the Society; have shown themselves intolerant and proscriptive, is not for your *Secretary* to determine. Any such error,—of sentiment or action,—is capable of amendment, and should be summarily redressed. Nor is it for him to denounce a spirit of chronic carping and cavil, which reluctsat every decision by competent judges and revolts at the very deliberate and settled policy of the Society itself. For that has become its policy, for a year at least, after it is once discussed and adopted. If a majority cannot rule, no option is left but anarchy. Cabal nor clique should have place in our councils, nor influence upon our action. *Res adjudicata est!* for the twelve months ensuing.

Your *Secretary* will not presume that he has himself escaped the suspicion of partiality, from some who, knowing him imperfectly, can form but an inadequate judgment of his motives. He has striven honestly to avoid a blind partisanship. If, when "the heathen were raging furiously",—it was found necessary by the Apostle to the Gentiles to be "made all things to all men, that he might by all means save some"; how indispensable has it been that some one should endeavor to preserve a clear head and an unruffled demeanor, in this latter clash of opinion and assumed variance of interest. It can matter but little to him, during the brief period that he may continue in your service, into what course your action may be directed or perverted. But he has seen this Society in its infancy; he has watched its steps grow stronger and more self-reliant until now when, in the full maturity of its powers and resources it should aim at nor content itself with nothing less than a perfect development, that is clearly within its reach: to find it riven into sections! divided into jealous coteries which, if not at the sword's point, at least

make faces at each other! one disputing because the other affirms,—and for no better reason!

"But yet the pity of it, Iago! O, Iago, the pity of it, Iago!"

This Society was incorporated, March 3d, A. D., 1842. But a few years must elapse ere those of you who survive will be called upon to take worthy note of your Fiftieth Anniversary. Will not a suitable commemoration require? should it not command the heartiest co-operation of our entire Membership? regardless of whether this premium might have been otherwise awarded,—that gratuity wholly withheld! In a voluntary association such as this,—with no other attraction than mutuality of taste; without stronger bond of union than the mere accord of opinion; how infinitely truer is it than of yore, that "a house divided against itself shall not stand!"

"Why are these things thus?" sorrowfully exclaimed the great American Patriot, as he sacrificed the last of his wife's relations,—her pet lamb, as it were,—upon the altar of an internecine Moloch. Similar, if but in unequal measure, is the despairing cry from the great army of Pomologists who experience failures for which no theory will satisfactorily account. Says a writer from Vineland,—

"After one of the severest drouths ever known here there came a season of too much rain, setting in towards the end of July and continuing for several weeks. It was too late to do the waning crops of Blackberries much good, but it helped sweet Potatoes, started weeds as if by magic, and also started up the Grape-Rot, particularly on Concord vines.

* * *

That the old favorite, the Concord, must go, admits of no dispute."

If he has learned that the Concord must go,—even there where the organic law of Prohibition appears to have no control over, even if it has any recognized relation to, "*auri sacra fames*",—he has a lesson that should profit him much. Upon its first introduction, good because there were none better; comparatively worthless now that the laws of cultivation are growing simpler, and the name of its superiors is legion; what needs but to dismiss it—without regret for its departure, with kindly recollec-

tions of the good that it has done; and with the hope that, laid in the grave beside the Wilson strawberry, they may maintain a seemly peace after "life's fitful fever."

Sad to relate,—the same writer confesses that "an industry which has steadily gained ground for some years is that of making unfermented wine." They don't allow it to "ferment"—oh no! but—"various processes are used for clarifying it." Do you not all perceive numerous channels in which such sanctified tipple may be useful? What viticulturist in this audience, lacking a market for his fruit in the skin, will prove a deadhead in this virtuous enterprise? The average "hoss-trot," on that day of Agricultural Fairs, which illustrates and vitalizes the contribution-box of Exempt Worship, could not more vividly typify the "wicked partner" of modern business.

In our own vicinage—who shall tell why the Rose-beetle,—that pest of the choicer flowers and fruits,—was comparatively innocuous, or wholly failed to put in an appearance, throughout the season just past? What became of the Cock-chafer (May-Beetle, if you prefer?) with whose larvae the writer has seen the soil of Elm Park, in this City, literally crawling? Was it that extreme cold of the latest Spring month, just as they would naturally be ascending to the surface of the ground? Is man utterly helpless in the presence of Nature? Must he sit idle,—dependent upon her resistless forces,—without other resource when they fail to respond to his prayer? Such are among the problems that must be solved, if we would be sure of success.

In England, they want to know why is there so slight fruition for such abundant bud and blossom! One accounts for a sparse yield of Apples and Pears because, in his vicinity, the wood of the previous season was immature. Another complains of rain washing out the pollen; yet another of the drought that shriveled the buds or dwarfed the growing fruit;—while a third thought it was just his luck, opining that the laws of Nature had been suspended to plague a single individual! himself.

Here,—in this great Pomological County of Worcester, we have in May a fall in temperature to 28° Fahrenheit, and yet our absolute loss is less than was expected. Strawberry plants, in too rapid development, got a decided check. Others,—whose

location served for a partial protection from such unseasonable cold,—yielded a fair crop. But, if the market-question is legitimate, in a Horticultural point of view, where, all things considered, was the profit? Has not the time come when the Pomologist, if he would derive a living from his business, must attend to it or quit it? It has seemed—for long,—to your *Secretary*, that greater avail must be had of the simpler forces of Nature. Cannot the strawberry plantation be submerged? fond of water in its season as it confessedly is, precisely as must be done with the cranberry. Of course, it should likewise, in that event, possess the lowlands, whereto windmills may lift upon occasion; or the running stream supply its convenient and copious aid? Why cannot that windmill,—seldom idle in Worcester County save from choice,—suck or drive, through a system of subterranean pipes, compelling a smudge when untimely frost threatens the life of the vernal Strawberry or the autumnal Tomato, Squash, or Celery? Some may smile at the suggestion of such possible advanced culture: but he laughs best who laughs last, and he laughs last who wins. You advise and practice underdraining to rid yourselves of superfluous moisture, or to ærate your land. May not tiles, of whatever material, perforated or otherwise, be utilized as effectively for purposes wholly different?

All these problems are speculative,—hypothetical,—exacting experiment for a test. Some of them may well be tried in Amherst; yet location cannot but enter into the accurate determination of others. Why should not this great Pomological County have an Experiment Station of its own, devoted exclusively to the solution of difficulties in Horticulture? The State Bounty to our local Agricultural Societies might well be diverted to its support. For ampler sustenance a portion of our own income could find no more profitable use, thereby most effectually

"Advancing the science and encouraging and improving the practice of Horticulture,"

the explicit object for which we were incorporated, as so often pressed upon your attention in these Reports. The Peach is

grown, with greater or less success, in all our lacustrine Towns.* Wheresoever its culture falls short, or fails, such a Station might detect the trouble and discover its remedy. Individual research, or trial, is apt to be uni-lateral, or prejudiced: Science is many-sided and impartial; seeking for truth, if mayhap at the bottom of a well. We now grow much fruit and vegetables with marked skill and success. Is it not our own fault if we omit to avail ourselves of every appliance and methed that may serve to detect and explain the latent reason for too frequent failures. The Agricultural Societies are even now legally constrained to hold Institutes, by way of some practical return for the State Bounty. Too often it is like threshing an old bundle of straw. Few pause in the course of hard, daily labor, to note the reasons for success or failure; and, if the mind begins to speculate upon the knotty problem, the thread of inquiry is apt to be lost in the first night's sleep. Fewer still are qualified by natural bent, or by training, to follow a path of original research, usually intricate, mainly obscure, and where the clue is either invisible or impalpable. For all such investigation,—whether of Insect or Fungus;—which shall teach us to know our Insect Friends from our Insect Foes; determining the cause of Yellows in the Peach or Blight in the Pear; something more searching and precise is needed than the occasional conference of friends and neighbors. Something more like the keen analysis and tireless watch of the acute student of Nature, who takes nothing for granted; but, having discovered the origin and source of disease, is not content until he has also found a perfect remedy. He alone can "prove all things, holding fast that which is good."

For a long series of years,—now well-nigh a generation,—the present *Secretary* of this Society has been wont to prepare an Annual Report upon matters that appeared to him of interest or instruction to his fellow-members.

"Ye take too much on you, ye sons of Levi!"

Such may, or not, have been his individual fault or foible. Yet,

* Grafton and Shrewsbury at the foot and by the shores of Quinsigamond,—where, as by the inland Lakes of Central New York, the Grape and Peach have flourished for aye; and upon whose opposite slopes and hill-sides, in conjunction with the projected School of Natural History, a Horticultural Experiment Station could be essayed to the utmost advantage, at the least cost, and with the most effective and sure co-operation. E. W. L.

throughout, he has enjoyed the encouragement and sympathy of THOMAS, and MEEHAN, of DOWNING, and WILDER. But the excellent President of the Massachusetts Horticultural Society, whose success in growing the Philosopher's Stone* has acted like a constriction upon the development of the Concord School of Philosophy, was delivered, in March last, of the following immaculate conception :

"The publications of this Society will compare favorably with those of others. The reports of a Horticultural Society should contain all its doings, and should give accounts of all the objects exhibited, and not be devoted exclusively or mainly to remarks by the Secretary, as is the case with some."

The publications of the Massachusetts Society are invalnable. They are replete with priceless experience. And as much may be claimed for our own. Latterly, when this Society discontinued its meetings for discussion,—for the sound reason that a re-hash was not, and could not be converted into, fresh meat,—there remained but little save the dreams, "vain imaginings" perhaps, of your *Secretary*, wherewith to fill an otherwise empty page. It might have continued blank. But then,—shall it be left for him to assert? some hundreds of dollars might have been lost to this Society; while twice the sum would be payable by the Massachusetts Society to help conduct Boston Sewage toward Massachusetts Bay.

When your *Secretary* was in the habit of pleading before that Horticultural Son of Anak,—then Chairman of the Agricultural Committee,—for Legislative Protection from Frugivorous Birds, his reply was prompt that nothing could be done. "Barkis is willin'"!—but! Had only the trial been made! Now that a long advance towards equality before the law has been attained, why should not the Massachusetts Society welcome an opportunity of applying its unexpected savings to advance the Science and promote the Practice of Horticulture as suggested in this recommendation of an Experiment Station?

The quality of our local crop of *Apples* is so superior, this season, that the matter of their profitable disposition becomes of

* What are those? said the Western sciolist as, looking over the fence, he pointed to some thrifty egg-plants. "Philosopher's Stones"! was the gruff reply.

vital interest to Orchardists. You have listened to satiety concerning the importance of fostering a home market, during the political contest just closed; and, with Apples and Pears at their present price, may weigh the validity of the argument. Happily the foreign market is yet open to you; though how soon it may be closed, if we continue to maintain our own system of exclusion, cannot be precisely anticipated. For your more definite information, I extract from "*The Garden*" the subjoined particulars respecting the appearance of the Apple crop in Europe and America, as it was furnished by the largest dealers in Covent Garden:—

"The Apple Crop:—*United Kingdom*,—Crop much below the average. *France*.—An average yield of early kinds, especially in the Gironde; late and better descriptions somewhat short. *Germany*,—Short crop generally. *Belgium*,—Short crop. *Holland*,—Very light crop. *Spain* and *Portugal*,—Crop short, description common. *America*,—There are indications that the crop will not equal in bulk that of 1880, yet the yield in some of the best producing localities is likely to be very abundant, and far superior in quality to the past two seasons. After mature consideration of the various reports there is little doubt that the crop of Europe is considerably under that of many years; that it will be from America that the supply for the United Kingdom will be derived. The prospect of shipments being advantageously made to England was never more promising, particularly for the better and later description of Apples."

Note: The same London *Garden*, in an issue subsequent to the last Annual Report of your Secretary, thus described the inferiority of the English Apple crop, for the previous year:—

"Xmas-Tide: 1883: England:

"Apples, a very heavy crop, have been small and inferior in quality. There are not sufficient first-class English Apples now in the market to keep down the prices of American and Canadian goods. The importation of Apples from New York is now comparatively small. Boston, however, sends a fair portion, but Nova Scotia, during the last few years, has sent more than both New York and Boston put together. And the variety is also greater, the principal sorts being Baldwin, Greening, Russet, King Tompkins, Ribston, Nonpareil, Spitzenberg, and a few Blenheims. The great advantage, in a commercial point of view, is the way in which foreign fruit is sorted. Although the standard of quality does not come up to that of home grown produce, the prices realized lately have been 20 s. to 25 s. per

barrel of 3 bushels. New York Apples have chiefly consisted of Newton Pippins, of which however but few good samples have reached the market this year. When really good, they fetch from 30 s. to 60 s. per barrel of 2½ bushels; other sorts, such as Northern Spy, Seek-No-Further, &c., &c., making from 20 s. to 25 s. per barrel of 2½ bushels."

Only,—if you get that foreign market, because they have not enough fruit of their own,—strive to retain and secure it by the scrupulous honesty of your subsequent dealings! Shun the deacon and his pomological ways! Let not appearances deceive, but be careful that the extremes of a barrel meet, in like quality, at the middle. An orchardist in Worcester may just as well build up a reputation in England, and establish a character for his especial brand of fruit, as a manufacturer or machinist—his townsmen—for the products of their skill. All depends upon the individual. For, when he has confirmed a name for integrity, he will simply decline to forfeit it by the shipment,—it matters not what the inducement,—of an inferior article. When his fruit is inferior—he will keep it at home. That is simple enough, and will always suffice to distinguish the swindler at heart from a man who is honest through and through.

We hear, very often, of the good old times whose antiquity is supposed to lend them a flavor that was not even suspected by the generation that endured them. Does

"distance lend enchantment to the view?"

Or has memory failed to retain all trace of the disappointment and failures that then, as now, attended the best endeavors? Certain is it, that never within the Forty-Two years throughout which this Society has existed, was fruit larger or more perfectly developed than during the season just closed. We are told that figures will lie and also that they may be made to prove anything. Well,—the figures are, that A. D., 1859, the largest *Beurré Bosc* on exhibition weighed eight (8) ounces. It was accounted a great gain, the next year (1860,) because a single specimen weighed nine and one-half (9½) ounces. At the utmost, a dozen would have been credited with one hundred and fourteen (114) ounces. But A. D., 1884, after the lapse of twenty-four (24) years, twelve specimens of that superb variety, from one con-

tributor, weighed eight pounds and 9½ ounces,—or one hundred and thirty-seven and one-half (137½) ounces in all,—of uniform and surpassing excellence. Wherein do those figures lie?

Again,—a single *Seckel*, A. D., 1859, weighed three and one-half (3½) ounces; another, A. D., 1860, four and three-quarters (4¾) ounces: the aggregate of a dozen, at that highest rate, being Fifty-Seven (57) ounces. But there was no such dozen! Now,—A. D., 1884, twelve *Seckels*, entered in one lot, weighed Four pounds and twelve and one-half (4 lbs. 12½) ounces,—the gross weight in ounces being Seventy-six and one-half (76½).

The experience of the Society with the *Bartlett* has been varied and somewhat peculiar. A. D., 1860, the largest specimen exhibited weighed twelve (12) ounces. There is no record that such extreme weight was ever exceeded, here. But the probability is strong,—indeed almost demonstrable as fact,—that the specimen was unique. A. D., 1862, a subscription initiated by John C. Ripley, resulted in the offer of a Premium of Twenty-Five Dollars! ($25.00!) for the "Twelve best Bartlett Pears grown by the competitor in the County of Worcester." It chanced to be the lot of our present honored President to adjudicate upon the dozen entries made for that extraordinary premium. His Report says that

"All the entries for this Premium were deserving of praise, but there were two plates numbered 16, and 20, between which the contest evidently lay. They each presented strong points; they were evidently both of great weight. No. 16 contained four pears superior in size to any of No. 20. The twelve pears of No. 16 weighed 8 pounds and 1 ounce. The twelve pears of No. 20 weighed 7 pounds and 12 ounces. While no single pears of this plate were equal in size to some of No. 16, yet they were of more uniform size and superior in fairness and color. Had there been a great difference in the weight, the Committee would have been governed by that, but the difference of only five ounces in one hundred and twenty-nine ounces we thought was balanced by the greater uniformity and fairness of the others. &c."

The premium was therefore awarded, in equal shares to Messrs. John C. Ripley, and E. S. Stebbins, each of whom returned his moiety that a similar premium might be offered for competition during the ensuing year. The result was a severe disappointment. But six (6) competitors appeared, and the weight of the successful dozen was Eight pounds one and one-fourth ounces;

showing an excess of only one-fourth of an ounce over the heaviest twelve of 1862. Now, in this year of grace, 1884, without any particular stimulus; assuredly in the lack of such a strong temptation as is conveyed in the offer of Two Dollars ($2.) apiece; a dozen *Bartlett* Pears have been shown, that turned the scale at Eight pounds three and one-half (8 lbs. 3½) ounces.

What can such figures be made to prove? Is it not what George Jaques (then President) declared when he said that

"directions how to take such a prize (the $25.00: premium for Bartletts) might be written out as clear and straightforward as those which a traveller reads upon a guide-board. What is essential is mostly comprised under the heads of a rich soil, of four or five times the depth of ordinary cultivation; under-drainage, where the subsoil requires it; cultivation, or mulching of the surface; thinning out of the fruit; shelter from the wind, and judicious pruning."

This will cost money and toil: What does not, that is worth having?

It was particularly noticed, A. D., 1860, that the specimens of *Sheldon* exhibited were inferior to those shown in 1859. With what admiration would those shrewd observers have gazed upon the *Sheldons* that graced your tables, last month,—October 8th, notably, when twelve were found to weigh Ten pounds, two and one-quarter (10–2¼) ounces!

Nor should that dozen of the *Orange* Quince be lost to record,—weighing as they did the unequalled heft of Eleven pounds and twelve and one-half (11–12½) ounces. They were grown in Millbury, but not in proximity to the Blackstone, it is said. Yet, if the soil of that thriving town is so thoroughly saturated, as has been sworn to, often; is it likely that those Quince-bushes entirely escaped the beneficent influence! When Worcester establishes that Osier-filter for the benefit of the mill-owners a-down the Blackstone, may it not be worth the while to intersperse an occasional Quince-bush in such sanitary plantation? If to this could be superadded the levy of a customs-tax, discriminating against the Portugal Quince, what more could a home producer ask, to enable him to glut the market?

At the Annual Meeting of the Trustees, holden, by adjournment, November 14, A. D., 1883, *President* Dewey, *Vice-*

President Parker, with the *Secretary*, were appointed a Committee to prepare and present a Petition to the General Court asking for the Exemption from Taxation of the property of the Society. Concerted action with the Massachusetts Society was advised. Pursuant to that vote, a Petition was seasonably drawn up and submitted to the General Court, being referred in due course to the Committee on Agriculture. *Vice-President* Parker rendered efficient service, by personal interviews with Representatives and Senators; as did also the late lamented Francis B. Hayes, the President of the Massachusetts Society. Particular acknowledgment should however be made of the untiring efforts and cordial zeal of Mr. W. H. Spooner, Representative from a Boston district, whose long connection with the Massachusetts Society might well inspire enthusiasm, as it could not help informing him of the merits of the case. You are aware of the partial success that was attained. The Act is recited here, that it may appear in our Official Transactions and be brought to the direct knowledge of individual members:

COMMONWEALTH OF MASSACHUSETTS.

In the Year One Thousand Eight Hundred and Eighty-Four.

—An Act—

to exempt certain property of Horticultural Societies from Taxation.

Be it enacted by the Senate and House of Representatives in General Court assembled, and by authority of the same, as follows:—

Section 1. Such portions of real estate and buildings, belonging to incorporated Horticultural Societies, as are used for their offices, libraries, and exhibitions, shall be exempt from taxation.

Section 2. This Act shall take effect upon its passage.

House of Representatives: April 16, 1884.

Passed to be enacted: Geo. A. Marden, *Speaker*.

In Senate: April 18, 1884.

Passed to be enacted: Geo. A. Bruce, *President*.

April 19, 1884.

Approved.

GEO. D. ROBINSON.

Our appeal was for justice. We did not originate the policy of exemption from taxation, for any cause soever; since it is coëval with the existence of the Commonwealth. But we did object to an invidious discrimination, whereby it was implied that the culture and development of Flower, Fruit, or Vegetable, is of less consequence than the growth of Corn or Hogs. Since those original laws of exemption were passed, Horticulture has attained to its full stature; and Pomology, its leading branch, assumed the dignity of a Science. The export of Apples alone, while not what it should be, and must inevitably become in the near future, is yet of importance enough to occupy a conspicuous place in the Treasury columns. Cultivation of the Strawberry, the Peach, and the Grape, engages whole communities; constitutes the entire season's traffic of railways; and furnishes employment and sustenance to the population of great States. We asked for the practical recognition of a fact too palpable and plain to be ignored longer. Are you satisfied with the response? Will you content yourselves with this imperfect measure of reparation? Or will you continue the struggle, until you achieve a position of equality with other interests, of no greater consequence, but which are more favored in the eye of the law?

The property of Agricultural Societies is exempted, although used by the Societies themselves for but one or two days in the year. In addition,—they receive a bounty from the State Treasury, designed at first to be an equivalent for the amount appropriated in premiums. What little Horticulture gets, it gets grudgingly, much like the bestowal of cold victuals upon a tramp; and with about an equal suspicion of demerit, on the part of the reluctant donor, in either case.

Now why should not the Exemption, if any, be as absolute for Horticulture as for Priestcraft? Why should Agriculture get gain from leases to an Irish Patron, to Buffalo Bill, or to Technical Foot-Ball; and Horticulture be proscribed for deriving rent from its ground floor, without which source of revenue it could not even exist? Deprived of revenue from our property we could not offer premiums by way of encouragement in experiment or continued trial. It has been our good fortune to have had benefactors, by whose munificence, aided by the frugal

management of our Officers, we were enabled to become the owners of this land and building. Deducting necessary expenses, our whole income is applied, in the language of our Charter, to the "purpose of advancing the science, and encouraging and improving the practice of Horticulture." Our position is, I believe, unique. Alone, among kindred Societies, we make no charge for admission to our Exhibitions; throwing our doors wide open, and inviting all to compete, observe, investigate, and compare. Agricultural Societies, enjoying complete immunity from taxation; receiving a monetary bounty from the State; and sub-letting their property at will; yet allow no person to gaze upon flock, drove, cow, or counterpane, unless he first purchases a ticket of leave. Even the Massachusetts Horticultural Society is less liberal in the diffusion of its beneficent influences than ourselves. You ought never to ask for special and exclusive privileges. But, proffering advantages and instruction to all, without money or price, you should never submit supinely to partial and invidious discrimination against yourselves.

By the death of Clarendon Harris, which occurred on the 12th day of January ult., this Society was deprived of one of its oldest and most valued Members. Few of this audience can know the extent of our indebtedness to him, for assiduous service upon our Committees and as a Trustee: fewer still, how much we owe to his knowledge of Books and the Book-Trade, for the secure foundation upon which our Library was built up. One of my earliest memories is, of that old-fashioned book-store; of the curious Circulating Library, replete with pretty much every thing that the mind of man had yielded to print, from the Mysteries of Udolpho to Mavor's Voyages; a quaint mixture of the fanciful with the useful,—to which a somewhat omnivorous appetite for reading was ever welcome so long as it enjoyed its feast in quiet. Unassuming as was that modest old store, vivid in my recollection with its occasional customer and the droning sound of its primitive ruling-machine,—from it were graduated Loring, Phillips, and Flagg, to give character and tone to the Book-Trade of Boston: Well did it serve its day and generation; never so well after his guiding hand and influence were withdrawn.

Mr. Harris might well inherit a taste for Horticulture. But, whether innate, or acquired, such a taste grew with his years, and ended only with his life at the mature age of Eighty-Four. Interested especially in Floriculture, it was his great delight to enrich our earlier Exhibitions with some new and rare plant that he had developed to unwonted and extreme bloom. His interest in his garden was unabated, to the last.

Elected Librarian, A. D., 1851, when our Books from their number and value, began to require particular care, he continued to hold that office until A. D., 1862, at which date the Library was transferred to its present location and appropriate home in this our own Hall. January 29th, in that year, a Committee, consisting of D. Waldo Lincoln, Emory Banister, and Samuel H. Colton, previously appointed to consider the subject of the best location for the Library, reported among other things, as follows:—

"That they were impressed and surprised with the completeness and great value of the Library, now containing many hundred volumes, among which are works of the most rare and costly description, and which could scarcely be replaced if lost.

For this collection, so extensive and in such perfect condition, the Society are under especial obligation to the Committee on the Library, but more particularly to your present Librarian, Clarendon Harris, Esq., under whose faithful care and judicious management it has grown to its present importance. In addition to his services as Librarian, Mr. Harris has furnished a room for safeguard, free of rent and open at all times to Members of the Society."

Thoroughly informed in all matters relating to the trade, he was enabled to procure Horticultural works, as they were issued, upon terms of peculiar advantage. Largely due to his wise foresight is it, that we now possess so many of the more elaborate and costly volumes, by foreign *savants*, of priceless excellence, yet of such cost as to preclude all idea of their re-issue. He held a firm faith in clear typography, good press-work, and stout if not luxurious binding; yet he did not forego the chance of securing any publication, of intrinsic value, however homely its garb. He did so much that the labor of his successors has been comparatively easy. That he could avail himself of the ready council of Anthony Chase, Isaac Davis, and Frederic William

Paine; to whom that would have been truly a *dies non* on which they failed to take their morning pinch of snuff in his office; detracts nothing from his individual merit.

Being more familiar than most of you with the character and extent of his devotion to your service, I should have been false to my own sense of duty had I omitted to pay this inadequate tribute to the memory of Clarendon Harris.

Our record of official existence bears upon its every page the honored name of Paul Whitin. Distance prevented his being a large or frequent exhibitor: but his interest in our work was ever manifest during his regular visits to Worcester, whither he was so often called by his punctual discharge of public trusts. It seemed to enliven and refresh him to come into our Hall upon his way home; and the sight of his benignant features was as much of a treat to others as the interchange of friendly greetings appeared to be to him. He was a keen observer; closely watching the introduction of new varieties of flower or fruit, and retaining to a surprising degree the memory of any characteristic peculiar to each or all. I well remember his pleasant smile when, asked what he thought of the Crescent Strawberry, first placed upon our tables by himself, he replied that it was a variety to be tried less by the taste than scent! He never obtruded his individual opinion, although amply qualified to give it with authority upon any branch of Horticulture. Yet no one was more ready to respond to a call for information, which he could supply at will from the stores wherewith he was so richly endowed. His attendance and services were at our command:— his purse also. For, when the movement to remove, or at least alleviate, our load of debt, was initiated by Hon. Stephen Salisbury, years since, Paul Whitin sympathized cordially in the purpose and, with his brothers, contributed liberally towards the desired end.

At the age of Eighty-Five (85) he passed literally from our active life, without a struggle:* leaving us, for remembrance, a

* He was found lifeless, in bed, Thursday morning, February 7th. On the afternoon of Wednesday (the day before), he had attended a meeting, in Worcester, of the Directors of the Manufacturers' Mutual Fire Insurance Company of whom he was an Associate. E. W. L.

character without blemish or flaw ;—an example free from speck or taint.

The loss sustained by this Society through the death of the *Hon.* STEPHEN SALISBURY ; whilom its President, and erst as ever its benefactor ; was fittingly noticed at the time, in a most feeling and appropriate tribute to his memory, by our senior surviving ex-President, J. Henry Hill. Some facts stated by him, orally, familiar, as they were and are, to but few, deserve to be put in more permanent shape for an enduring record of appreciative and continuous liberality whereof this Society was the beneficiary.

The legacy from *Hon.* DANIEL WALDO, united with the receipts from Memberships, and some revenue derived from admission to the Annual Exhibitions ; the whole managed frugally and wisely by our life-long Treasurer, Frederic William Paine ; had encouraged and enabled the Society to venture upon the erection of this, their own Hall. The funds in hand, however, were inadequate to the cost of the land and building ; and a loan was indispensable. To secure the sum needed, certain Members became individually responsible : an obligation voluntarily assumed and wherefrom, for that reason if no other, it behoved the Society to discharge them as soon as possible. To accelerate an object so meritorious, Mr. Salisbury, then just entering upon his fourth year as President, made the following unsolicited offer :—

"WORCESTER, *Jan.* 4, 1854.

To the

WORCESTER COUNTY HORTICULTURAL SOCIETY.

Gentlemen.—

For the relief of the Members of the late Building Committee from suretyship for the Corporation debt, and for the increase of the efficiency of the Society by the enlargement of its available means, I offer to pay to Fred'k W. Paine, Esq., your Treasurer, the sum of Three Thousand Dollars, to be applied to the reduction of the Society's debt to such an amount as shall require no other security than the Society's note and a Mortgage of the Horticultural Hall.

I am prepared to make the payment whenever the Society shall signify their acceptance of this offer.

With great respect,

Your obed't servant,

S. SALISBURY."

It scarcely needs to be stated that this "*truly munificent donation*," to quote the phrase of John Milton Earle, *Chairman* of the Committee to whom the proposition was referred, was gratefully accepted. The sureties were thereby released from their liability; and the note of the Corporation, secured by a Mortgage upon its Real Estate, was received, by the County Institution for Savings, as ample guaranty for a loan of Nine Thousand ($9,000.00) Dollars.

Time rolled on; and, Mr. Salisbury being still President, it was found necessary to rebuild the roof and otherwise repair some hurried and imperfect construction. So that, upon his voluntary retirement from office, in 1857, he was obliged in an elaborate review of the financial condition of the Society, notwithstanding the act of munificence just related, to acknowledge an absolute, existing Debt of Ten Thousand Seven Hundred and Eighty ($10,780.00) Dollars. Of that amount, as a second mortgage was not taken, in those days, by any reputable institution, the very considerable sum of Twenty-One Hundred and Thirty ($2,130.00) Dollars had to be obtained upon the personal security of F. W. Paine, George T. Rice, D. Waldo Lincoln, and Mr. Salisbury himself. Wholly solvent; but in nowise, save from good will, bound to become sureties.

The Library was transferred to its present location on the 27th of February, A. D. 1862, bringing with it almost immediately a revival of interest in the objects of the Society and the general pursuits of Horticulture. The number of Members increased rapidly; weekly meetings had a thronged attendance; and everywhere appeared animation where, before, were only indifference and inertia. Of all this Mr. Salisbury was a pleased and intent spectator: indeed to your *Secretary*, then new in office, he confessed as much. But he felt that the operations of the Society were cramped by the burden which it had to carry, and, as was the habit of his life, when his mind was made up that a certain course would be right, he acted accordingly. Of that action, so modest and unassuming, yet effective, the sole Official record is as follows:—

At the Annual Meeting of the Society on Wednesday, Nov.

13, A. D. 1867, On motion of *Hon.* John Milton Earle it was unanimously

"*Resolved*,—that the thanks of the Society be, and they hereby are tendered to Hon. Stephen Salisbury for the renewed evidence of his liberality and of his interest in the success of our efforts, as evinced by the munificent donation to our funds, whereby the Society is placed in a state of comparative pecuniary ease and enabled greatly to extend the sphere of its operations. And that our gratitude is also due to the gentlemen who so liberally co-operated by the gift of time and money."

Beyond that resolution, there is no formal notice of an act whereof, if practically consummated by others, the sum and substance was comprised in the initiation, by Mr. Salisbury, of a movement that relieved this Society from an onerous burden and placed it upon a secure foundation. Ex-President Hill has told you the story, which may well be put in more enduring shape. Our indebtedness had been reduced to about Eight Thousand ($8,000.00) Dollars. Mr. Salisbury proposed, through Mr. Hill, to assume the payment of one-half of that amount if others,—Members and friends of the Society,—would contribute an equal sum. Mr. Hill did not tell you of the voluminous correspondence conducted by himself, nor of the generous responses which he received,—notably from the Whitin *Brothers.* Personal knowledge enables your *Secretary* to supply that omission, and to testify that without the indefatigable efforts of Mr. Hill, supplemented by the individual solicitations of John C. Ripley, the whole effort would have proved futile. To them may be ascribed all credit for the collection of the moiety of the amount needed; with which Mr. Salisbury, satisfied that it was the utmost that could be done, expressed himself content and carried out his original purpose to that modified extent. By frugality of expenditure, by increase of revenue from our investment since the war, our indebtedness has been steadily diminished; although the decrease was checked, for a time, by the necessity of an addition to our real estate. The absolute extinction of all existing liabilities should be kept steadily in view as our settled policy, not only because wise in itself, but out of regard for the memory of those who uniformly advocated and contributed toward that end.

Mr. Salisbury was elected Vice-President upon the first formation of the Society and, from that time until the day of his death, was with scarcely an intermission in your official service. He was diligent and punctual as in every thing else that he undertook; always preparing a written report when acting as Chairman of what others might deem an unimportant Committee. He was President from 1851 to 1857, when he declined a re-election. In an Address to the Society, A. D., 1853, after his return from a European tour; he reviewed, in detail, the condition of the Society, stating matters concerning its origin not elsewhere recorded, but of incalculable value to our future historian. The hope of securing for preservation, beyond a living memory, any further facts that might be within his recollection, prompted the following correspondence:—

"Worcester County Horticultural Society.

Hall of Flora. *May* 25, 1881.

Hon. Stephen Salisbury:

My Dear Sir.—

Once, in conversation, you remarked to me that William Lincoln did more to found and build up the Horticultural Society than any other person. I have paid mortuary tribute, where I thought it due, as occasion served or required.

Would it be imposing too great a task upon a life-long devotion to ask and expect you to note down your recollections of the first organization of our Society? No one but yourself is familiar with all the facts. Were I capable, otherwise, my long absence in Illinois interrupted my knowledge of local history. And I think that you will agree with me that the Horticultural Society has been no inconsiderable factor in the growth and development of Worcester.

I re-iterate: no one but yourself can do this. Ought you not?

Believe me very truly and sincerely,

Edward W. Lincoln."

"*Worcester*, *May* 28, 1881.

Edward W. Lincoln, Esq.:

My Dear Sir.—

I regret and I ought to be ashamed that I am not able to give you any particulars of the organization and first movements of the Horticultural Society. It is a proof that I had little share in that good work. I can confidently repeat the remark, you say I once made, that

Mr. William Lincoln did more to found and build up that Society than any other person. Dr. Green, Mr. F. W. Paine, and Mr. John M. Earle, were prominent and did special things. As I remember, Mr. Paine obtained a large number of specimen Pears from Salem, which were more numerous than excellent; yet they were instructive and encouraging. The rest of us followed Mr. Lincoln and could not escape some useful service. I am glad to know that you are attempting to gather the history of a Society that has been always useful to the growth and character of our city; in its small beginning and in the glory of the latter day, in which the hand of a Lincoln again appears.

Very sincerely yours,

S. Salisbury."

"My way of life
Is falling into the sear, the yellow leaf;
And that which should accompany old age,
As honour, love, obedience, troops of friends,
I must not look to have;"—

So wrote the Poet of All Time,—in the despairing monologue of that mediæval Knight who, as warrior fought his own battles; and, as politician, casting an anchor to windward, wrecked his ship to the loss of both kingdom and life.

The ambition of Horticulture, like the tendency of her pursuits, is toward every art that maketh for Peace. She is never aggressive,—if stalwart. May it not be said of her, as of Wisdom, in the phrase of him who wrote as but One spake,—

"Length of days is in her right hand; and in her left hand riches and honor.

"Her ways are ways of pleasantness and all her paths are peace.

"She is a tree of life to them that lay hold upon her."

Is Horticulture synonymous with length of days? Stephen Salisbury attained to his eighty-seventh year. Clarendon Harris was eighty-four; and Paul Whitin eighty-five. Of those whose portraits adorn our Hall all, save one whose career was cut short by an accident, had far transcended the limit of the Psalmist. Let those, then, who love life for its own sake; or for the opportunities whereby it may be made fruitful; like their exemplars,

to whom impartial, if halting, tribute has just been attempted; commend to themselves the quaint advice of old John Gerard* well nigh Three Centuries since:—

"Forward in the name of God, graffe, set, plant, and nourish up trees in every corner of your ground; the labour is small, the cost is nothing, the commodity is great: Your selues shall have plenty, the poor shall have somewhat in time of want to relieve their necessities, and God shall reward your good mindes and diligences."

All which is respectfully submitted,

by

EDWARD WINSLOW LINCOLN,

Secretary.

Horticultural Hall,

Worcester, Massachusetts, November 5, A. D., 1884.

* Historie of Plants, 1597.

APPENDIX.

Boston, March 3, 1884.

Edwd. W. Lincoln, Esq.,

Secretary Worcester Co. Horticultural Society.

My Dear Sir.—

One of the members of the Agricultural Committee, Mr. W. H. Spooner, has handed me the enclosed memorandum for the proposed bill to relieve Horticultural Societies from taxation. Some of the committee think that the building, or portions of building which are let as stores or for other business purposes, should not be exempt from taxation. Therefore, without consultation, they send in the memorandum I send you with this, asking if such a bill as the enclosed would be satisfactory. My reply is that I think it quite indefinite, and open to the objection that it covers more than they desire, and does not give us anything, according to its construction.

I send the same to you for your and Judge Dewey's consideration. The committee are favorable to our application for some relief, but are very doubtful if they can get a bill passed exempting unconditionally all the estates of Horticultural Societies from taxation.

Will you please attend to this matter?

Faithfully yours,

Francis B. Hayes.

On motion of Mr. Sessions, it was voted to frame a bill exempting Horticultural Societies from taxation, on such property as may be used for the purposes for which they were organized.

How would the following do for a bill?

"The estate, both real and personal, of incorporated Horticultural Societies, shall be exempt from taxation, on such portions thereof as may be used for the purposes for which they were organized."

WORCESTER COUNTY HORTICULTURAL SOCIETY.

Hall of Flora, *Worcester, Mass., March* 6, *A. D.*, 1884.

HON. FRANCIS B. HAYES, *Prest.:*

Dear Sir.—

I have not yet been able to see Judge Dewey,* but Vice-President Parker, of our Committee, and others of our Trustees, unite with myself in concurrence with your opinion. It would be emphatically a matter of construction,—in every case by Assessors whose chief aim is, to tax all that they can reach. The Statutes now require that "portions of such" (religious) "houses appropriated for purposes other than religious worship, shall be taxed at the value thereof to the owners of the houses."

Not one cent has ever been taxed, in Worcester, under that explicit enactment. But then we should not have the "benefit of Clergy"!

Our Stores are inseparable from our Hall. Take them away and the building falls. The income from them supplies the means wherewith to prosecute the high purposes for which we were chartered. For such purposes, solely, is it used.

Would the Committee enact that "the land of Agricultural Societies shall be taxed to such Societies, for such portions of the year as it is not appropriated for Agricultural purposes exclusively?"†

Our Society ask for equality before the law and to be relieved from invidious discrimination. The insertion of the words—"and Horticultural"—after "Agricultural," in the existing Statute, would satisfy their wishes.

Very truly and sincerely your friend,

EDWARD WINSLOW LINCOLN,

Secretary.

---

* Absent, in Cuba.

† It has always been a mystery to us, why any property which has to have fire, police, and general municipal protection, should be exempt from taxation, except, of course, such as belongs to the municipal corporation. Voluntary charity is very commendable; but to force others to help you in your voluntary work is an absurdity unworthy of an intelligent people. The People who advocate the public support of devotional and charitable institutions, by relief from taxation, make nothing by it. The taxation of Philadelphia, and New York, would be perhaps one-fourth lower, only for the enormous amount of exempt property. Therefore, even those who want to give, and to force those who do not want to give, pay one-fourth more taxes than they would do only for this exemption idea.—*Gardener's Monthly (Phila.), May No., pp.* 156—.

REPORT OF THE LIBRARIAN.

To the Members of the

Worcester County Horticultural Society:

Your Librarian respectfully submits the following report for the year just closed. The additions to the Library by purchase or gift are as follows:

Transactions and reports of the Fruit Growers' Association and International Show Society of Nova Scotia.

Address, at the Nineteenth Session of the American Pomological Society at Philadelphia; 1883; by M. P. Wilder.

Reports of the Town Officers, Leicester; 1883; E. W. Lincoln.

Auditor's Report of the City of Worcester; 1882.

Encouragement to the Sorghum and Beet Sugar Industry; Henry Phelps.

Observations on the Soils and Products of Florida; Henry Phelps.

The Silk Worm; being a brief manual of instruction for the production of Silk.

An Investigation of the composition of American Wheat and Corn.

Forestry; a Magazine for the country; 1883.

Banquet to Marshall P. Wilder.

Landreth's Rural Register.

The Ladies' Floral Cabinet; 1883; Ralph H. Waggoner.

The English Flower Garden; by Wm. Robinson; Society.

The Journal of Horticulture: Vols. 6 and 7; New Series; Society.

Flora of the Southern States; by Chapman; Society.

Report of the American Pomological Society, Session 1883.

Preliminary Circular respecting the Exhibition of Education at the World's Industrial and Cotton Centennial Exposition.

Papers on Government Timber Lands and American Fruit Trees.

Circular No. 3, 1884, on the Illiteracy in the United States in 1870 and 1880; by Charles Warren, M.D.

Circular No. 2, 1884; The Teaching and Practice of Shorthand; by Julius E. Rockwell.

Report of the Department of Agriculture; 1883; G. F. Hoar.

Report of the Department of Agriculture; 1883; E. W. Lincoln.

Special Report, No. 4, Department of Agriculture.

Special Report, No. 9, Department of Agriculture.

Special Report, Microscopic Observation; by Thos. Taylor.

Special Reports of the Department of Agriculture; from No. 1, 1877, to No. 65, 1883; in 6 bound Vols.; H. Phelps.

Synoptical Flora of North America; Vol. 1. Pt. 2; Asa Gray; Society.

Report of the Commissioner of Education; 1883, 1884.

Revue Horticole; 1883; Society.

Gardening Illustrated; 1884; Society.

Vick's Monthly Magazine; 1884; Society.

The Garden; an Illustrated weekly journal; 1884; Society.

The Gardener's Chronicle; Vol. 17; 1884; Society.

The Agricultural Gazette; London; 1884; Society.

The American Agriculturist; 1884; Society.

The Gardener's Monthly; Vol. 26; 1884; Society.

The Country Gentleman; Vol. 49; 1884; Society.

The Fruit Recorder; 1884; Society.

The Massachusetts Ploughman; 1884; *Courtesy* of ye Ploughman.

The Worcester Directory; 1884; Society.

Woods and Forests; a weekly Illustrated Journal of Forestry; London; Society.

All of which is respectfully submitted.

CHARLES E. BROOKS,

Librarian.

Hall of Flora,

November 5, 1884.

PREMIUMS AND GRATUITIES

AWARDED FOR 1884.

Wednesday, March 5.

No. 1. Azalea Indica, 3 plants in bloom. No entry; extremely cold.

No. 2. Azalea Indica, 1 plant in bloom. No awards, plants not large enough.

No. 3. Primula Sinensis, 4 plants in bloom. 1st premium, Wm. T. Merrifield, $3.

No. 4. Primula Sinensis, 1 plant in bloom. 1st premium, Wm. T. Merrifield, $1.

Gratuities.

Hyacinths, collection, W. W. Cook, $1.

Camellias, display of blooms, Mrs. Thomas Ward, $1.

Violets, bouquet, Mrs. Charles E. Parker, $1.

Anthurium Scherzerianum, plant, Mrs. T. L. Nelson, $1.

Cut Flowers, stand, Mrs. George H. Rich, $1.

Two plants, Mrs. W. E. Sargent, 50c.

Azalea Indica, 1 plant, A. A. Hixon, $1. Mrs. C. E. Brooks, 50c.

No. 6. Apple. Tompkins Co. King. 1st premium, William Eames, $1.50.

Gratuities.

No. 8. Apple. Rochester, William Eames, $1; Mrs. Josiah Goddard, 50c.

No. 9. Cabbage, Brunswick, 3 specimens. 1st premium, Simon E. Fisher, $1.50; 2d premium, Charles E. Parker, $1.

No. 11. Celery, 6 heads. 1st premium, Joseph Brierly, $1.50; 2d premium, Henry T. Reynolds, $1.

Gratuities.

Rhubarb, Linnæus, George H. Rich, $1.

Squash, Butman, Simon E. Fisher, 50c.

Wednesday, March 12.

No. 2. Azalea Indica, 1 plant in bloom. 1st premium, W. W. Cook, $3.

No. 12. Cinerarias, in bloom, 4 plants. 1st premium, State Lunatic Hospital, $3; 2d premium, W. W. Cook, $2; 3d premium, Wm. T. Merrifield, $1.

No. 13. Hyacinths, in bloom, 6 plants. 1st premium, H. B. Watts, $3; 2d premium, A. A. Hixon, $2; 3d premium, W. W. Cook, $1.

No. 14. Hyacinth, in bloom, 1 plant. 1st premium, A. A. Hixon, $1; 2d premium, W. W. Cook, 50c.

Gratuities.

Cinerarias, display, State Lunatic Hospital, $3.

Hyacinth and Cut Flowers, display, A. A. Hixon, $2.

No. 18. Apple. Northern Spy. 2d premium, William Eames, $1.50.

No. 20. Cabbage, Savoy, 3 specimens. 3d premium, Simon E. Fisher, 50c.

No. 21. Squash, Hubbard, 3 specimens. 2d premium, Luther R. Eames, $1.

No. 22. Turnip, White Egg, 12 specimens. 1st premium, Simon E. Fisher, $1.50; 2d premium, Luther R. Eames, $1.

Wednesday, March 19.

No. 23. Cyclamen, in bloom, 4 plants. 1st premium, A. A. Hixon, $3.

No. 24. Cyclamen, in bloom, 1 plant. 1st premium, A. A. Hixon, $1.50; 2d premium, George H. Rich, $1.

No. 25. Cut Flowers, stand of 24 blooms or clusters distinct. 1st premium, W. W. Cook, $3; 2d premium, Mrs. Charles E. Brooks, $2; 3d premium, Mrs. Charles E. Parker, $1.

Gratuities.

Cut Flowers, stand, Mrs. Thomas Ward, $1.

Pansies, stand, Mrs. Charles E. Parker, 50c.

Narcissus, display, Woolson & Co., Passaic, New Jersey, $5.

No. 26. Apple. Baldwin. 1st premium, Charles E. Parker, $1.50; 2d premium, William Eames, $1; 3d premium, Luther R. Eames, 50c.

No. 27. Apple. Yellow Belleflower. 3d premium, A. A. Hixon, 50c.

No. 29. Apple. Greening, R. I. 1st premium, Mrs. Austin W. Ward, $1.50; 2d premium, Charles E. Parker, $1; third premium, Luther R. Eames, 50c.

No. 32. Cabbage, Red Dutch, 3 specimens. 1st premium, George H. Rich, $1.50; 2d premium, Simon E. Fisher, $1.

No. 34. Turnip, White Swede, 6 specimens. 2d premium, Simon E. Fisher, $1.

Gratuity.

Squash, Essex Hybrid, H. B. Watts, $1.

Wednesday, March 26.

No. 35. Arum (Richardia), in bloom, collection grown in pot or tub not exceeding 16 in. 1st premium, Charles E. Parker, $3; 2d premium, George H. Rich, $2.

No. 36. Arum (Richardia). One bloom, with foliage, the largest. 1st premium, Charles D. Thayer, $1; 2d premium, Charles E. Parker, 50c.

No. 37. Hand Bouquet. 1st premium, Charles D. Thayer, $3; 2d premium, Miss Mabel Parker, $2; 3d premium, Mrs. A. A. Hixon, $1.

Gratuities.

Asparagus Plumosus, plant, Mrs. T. L. Nelson, 50c.

Hydrangea, Thomas Hogg, plant, Mrs. W. H. Sherman, 50c.

Choristema Hispida, plant, A. A. Hixon, 50c.

Pansies, basket, Mrs. Charles E. Parker, 50c.

No. 38. Apple. Peck's Pleasant. 1st premium, George C. Rice, $1.50.

No. 40. Apple. Tallman Sweet. 2d premium, William Eames, $1.

No. 43. Beets, Turnip, 12 specimens. 1st premium, George H. Rich, $1.50; 2d premium, Charles E. Parker, $1; 3d premium, F. J. Kinney, 50c.

No. 44. Carrot, Intermediate, 12 specimens. 1st premium, E. A. Bartlett, $1.50; 2d premium, S. H. Record, $1; 3d premium, George H. Rich, 50c.

No. 45. Lettuce, 6 heads. 1st premium, E. A. Bartlett, $2.

Gratuity.

Salsify, J. L. Peters, 50c.

Wednesday, April 2.

No. 46. Basket Flowers. 1st premium, Mrs. Charles E. Parker, $3; 2d premium, W. W. Cook, $2; 3d premium, Charles A. Keyes, $1.

No. 47. Stand Flowers. 1st premium, W. W. Cook, $3; 2d premium, Mrs. Charles E. Brooks, $2; 3d premium, A. A. Hixon, $1.

Gratuities.

Azalea, Prince Albert, plant, Mrs. S. C. Kendall, 50c.

Azalea, Imported 1883, Cut blooms, Mrs. Thomas Ward, 50c.

Basket Flowers, Mrs. A. A. Hixon, $1. Too large for competition.

No. 48. Apple, any variety, gratuities. Collection 4 varieties. William Eames, $1.

No. 50. Parsnep, 12 specimens. 1st premium, Mrs. Austin Ward, $2; 2d premium, Geo. H. Rich, $1.50; 3d premium, Simon E. Fisher, $1.

No. 51. Radish, 2 bunches of 6 each. 1st premium, Charles E. Parker, 2; 2d premium, F. J. Kinney, $1.50.

Wednesday, April 9.

No. 52. Zonale Geraniums, in bloom, 4 plants. 1st premium, Wm. T. Merrifield, $3; 2d premium, W. W. Cook, $2; 3d premium, Mrs. Charles E. Brooks, $1.

No. 53. Pot Plants, in bloom, gratuity. A. A. Hixon, $3; W. W. Cook, $1.50.

Cut Flowers, stand, Mrs. S. H. Record, $1.

Azalea, basket, Mrs. Thomas Ward, $1.

No. 54. Apple. Russet, Golden. 1st premium, Luther R. Eames, $1.50.

No. 56. Apple. Russet, Roxbury. 1st premium, Luther R. Eames, $1.50; 2d premium, William Eames, $1; 3d premium, S. H. Record, 50c.

No. 58. Pear. Any variety, gratuity. Duchesse de Bordeaux, Mrs. Henry Phelps, $1.

No. 59. Lettuce, 6 heads. 2d premium, Charles E. Parker, $1.

No. 60. Potato, 12 specimens. 1st premium, White Star, H. B. Watts, $1.50; 2d premium, Mass. Perfection, Joseph Brierly, $1; 3d premium, Clark's No. 1, Simon E. Fisher, 50c.

No. 61. Squash, 3 specimens. 1st premium, Essex Hybrid, H. B. Watts, $1.50.

Wednesday, April 16.

No. 62. Begonia, in bloom, one plant. 1st premium, W. W. Cook, $3; 2d premium, Mrs. T. L. Nelson, $2; 3d premium, A. A. Hixon, $1.

No. 63. Cut Flowers, distinct varieties, stand. 1st premium, W. W. Cook, $3; 2d premium, A. A. Hixon, $2.

Gratuity.

Cut Flowers, not distinct, stand, Mrs. Charles E. Parker, $1.

No. 64. Apple. Any variety, gratuity. Baldwin, Hubbardston, one plate of each, Luther R. Eames, $1.50.

No. 66. Parsnep, 12 specimens. 1st premium, Hollow Crown, Mrs. Austin Ward, $1.50; 2d premium, Simon E. Fisher, $1; 3d premium, George H. Rich, 50c.

No. 67. Rhubarb, 12 stalks. 1st premium, S. H. Record, $1.50; 2d premium, George H. Rich, $1.

Wednesday, April 23.

No. 68. Pansies, no duplicates. 1st premium, Mrs. Charles E. Parker, $3; 3d premium, W. W. Cook, $1.

No. 69. Cut Flowers. Handle Basket, low oval, not to exceed 15 inches in diameter. 1st premium, W. W. Cook, $3; 2d premium, Mrs. Thomas Ward, $2; 3d premium, Mrs. Charles E. Parker, $1.

Gratuities.

Roses, stand, S. H. Record, $1.

Cut Flowers, stand, A. A. Hixon, $1.

Petunias, stand, A. A. Hixon, $1.

Amaryllis, plant, Richardia Maculata, plant, Mrs. E. H. DeLand, 50c.

Azalea, 3 plants, Mrs. Thomas Ward, 50c.

Epigæa Repens, 2 bouquets, Arba Pierce, $1.

No. 70. Apple. Any variety, gratuity. Baldwin. William Eames, $1.

No. 71. Dandelion, cultivated, half-peck. 1st premium, S. H. Record, $1.50; 2d premium, Charles E. Parker, $1; 3d premium, Mrs. Henry Phelps, 50c.

No. 72. Spinach, half-peck. 1st premium, S. H. Record, $1.50.

Gratuity.

Lettuce, Mrs. E. H. DeLand, $1.

Wednesday, April. 30.

No. 73. Pot Plants, in bloom. Gratuity, if merited. Adin A. Hixon, $3; Mrs .Charles E. Brooks, $2; F. H. Wesson, $1.50.

Gratuities.

Cut Flowers, stand, Mrs. S. H. Record, $1.50.

Cut Flowers, stand, Adin A. Hixon, $1.

Cut Flowers, Mrs. E. H. DeLand, 50c.

No. 75. Lettuce, 6 heads. 1st premium, Charles Greenwood, $1.50; 2d premium, Mrs. E. H. DeLand, $1; 3d premium, Charles E. Parker, 50c.

No. 76. Rhubarb, 12 stalks. 1st premium, S. H. Record, $1.50; 2d premium, Mrs. Austin Ward, $1.

Wednesday, May 7.

No. 77. Pansy, in bloom, 6 plants. 1st premium, Charles E. Parker, $3; 2d premium, W. W. Cook, $2; 3d premium, Charles D. Thayer, $1.

No. 78. Bouquet, Hand, not to exceed 9 inches in diameter. 1st premium, W. W. Cook, $3; 2d premium, Mrs. Charles E. Parker, $2; 3d premium, Mrs. Thomas Ward, $1.

Gratuities.

Hyacinth, stand, A. A. Hixon, $1.50.

Cut Flowers, stand, Mrs. S. H. Record, $1.

Cut Flowers, stand, Mrs. L. Morey, 50c.

No. 79. Asparagus, 2 bunches, 12 stalks each. 1st premium, Willard F. Pond, $1.50; 2d premium, S. H. Record, $1; 3d premium, R. A. Abbott, 50c.

No. 80. Dandelion, cultivated, half-peck. 1st premium, S. H. Record, $1.50; 2d premium, E. A. Bartlett, $1; 3d premium, Charles E. Parker, 50c.

No. 81. Spinach, half-peck. 1st premium, Willard F. Pond, $1.50; 2d premium, S. H. Record, $1.

Wednesday, May 14.

No. 82. Basket, oval, on stand, with handle, not to exceed 15 inches in diameter. 1st premium, W. W. Cook, $3; 2d premium, Mrs. Thomas Ward, $2; 3d premium, Mrs. Charles E. Parker, 1.

No. 83. Bulbs, Hardy, open culture, stand. 1st premium, O. B. Hadwen, $3; 2d premium, Mrs. T. L. Nelson, $2; 3d premium, H. B. Watts, $1.

No. 84. Hyacinths, open culture. Display. 1st premium, O. B. Hadwen, $3; 2d premium, Charles E. Parker, $2.

Gratuities.

Cut Flowers, stand, Mrs. Charles E. Brooks, $1.50.

Cut Flowers, stand, A. A. Hixon, $1.

Cut Flowers, stand, S. H. Record, $1.

Amaryllis and Cactus, plants, J. F. Smith, $1.

No. 85. Asparagus, 2 bunches, 12 stalks each. 1st premium, R. A. Abbott, $1.50; 2d premium, S. H. Record, $1; 3d premium, Willard F. Pond, 50c.

No. 86. Rhubarb, 12 stalks. 1st premium, Mrs. M. E. Woodward, $1.50; 2d premium, Mrs. Josiah Goddard, $1; 3d premium, Francois W. Hixon, 50c.

Wednesday, May 21.

No. 87. Cut Flowers, distinct varieties, stand. 1st premium, Mrs. Charles E. Brooks, $3; 2d premium, A. A. Hixon, $2.

No. 88. Pelargoniums, Fancy and Show, in bloom, 4 plants, distinct varieties. 1st premium, Mrs. S. H. Record, $3.

No. 89. Tulips, open culture, display. 1st premium, Mrs. T. L. Nelson, $3; 2d premium, Mrs. Austin W. Ward, $2; 3d premium, Mrs. A. A. Hixon, $1.

Gratuities.

Coleus, in pots, F. H. Wesson, $1.

Amaryllis, 1 plant, Mrs. E. D. McFarland, 50c.

Cut Flowers, stand, Mrs. L. Morey, 50c.

No. 90. Vegetable, gratuities, 7 varieties, S. H. Record, $1.

Two varieties Lettuce, Allie W. Hixon, $1.

Wednesday, May 28.

No. 91. Cut Flowers, Hardy plants and Shrubs, open culture, display. 1st premium, Mrs. Charles E. Brooks, $3; 2d premium, Mrs. Thomas L. Nelson, $2; 3d premium, Mrs. L. Morey, $1.

No. 95. Radish, 12 specimens. 1st premium, Joseph Brierly, $1.50.

No. 96. Onion, 2 bunches, 6 in each. 1st premium, Charles Greenwood, $1.50; 2d premium, Joseph Brierly, $1.

Wednesday, June 4.

No. 97. Fuchsia, in bloom, distinct varieties, 4 plants. 1st premium, State Lunatic Hospital, $3; 2d premium, W. W. Cook, $2; 3d premium, Mrs. T. L. Nelson, $1.

No. 98. Iris, display. 1st premium, Mrs. Simon E. Fisher, $3; 2d premium, Mrs. L. Morey, $2; 3d premium, Mrs. W. E. Sargent, $1.

No. 99. Vegetable, gratuity. 4 varieties, Spinach, Lettuce, Rhubarb, Asparagus, S. H. Record, $1.50.

Two varieties, Lettuce and Onions, Joseph Brierly, $1.

Asparagus, 3 bunches, Willard F. Pond, $1.

Lettuce, Allie W. Hixon, 50c.

No. 100. Aquilegia (Columbine). 2d premium, Mrs. Henry Phelps, $2; 3d premium, Mrs. A. A. Hixon, $1.

No. 101. Cut Flowers, the varieties of any species must not exceed three, one stand. 1st premium, A. A. Hixon, $3; 2d premium, George H. Rich, $2; 3d premium, Mrs. S. H. Record, $1.

No. 102. Cut Flowers, one vase, the specimens not to be tied or wired. 1st premium, Mrs. Charles E. Parker, $2; 2d premium, Mrs. S. H. Record, $1.

Gratuities.

Azalea, display, O. B. Hadwen, $2.

Clematis, display, Mrs. Thomas Ward, $2.

Cut Flowers, stand, Mrs. L. Morey, $1.

Fuchsia, plant, George H. Rich, 50c.

No. 104. Beets, Early, 12 specimens. 1st premium, Charles E. Parker, $1.50; 2d premium, Willard F. Pond, $1.

Gratuity.

Strawberry, 1 plate, Capt. Jack, Simon E. Fisher, $1.

Wednesday, June 18.

No. 107. Roses, 6 blooms or clusters. 1st premium, Mrs. Charles E. Brooks, $3.

No. 109. Roses, basket or dish. 1st premium, Mrs. Thomas Ward, $2; 2d premium, Mrs. T. L. Nelson, $1.

No. 110. Dianthus Barbatus, Sweet William, stand. 1st premium, Mrs. F. H. Merrifield, $3; 2d premium, Mrs. Simon E. Fisher, $2.

Gratuities.

Pæonia, display, Mrs. Thomas Ward, $2.

Cut Flowers, stand, Mrs. S. H. Record, 50c.

No. 113. Strawberry, Crystal City, 25 berries, flat. 1st premium, F. J. Kinney, $1.50; 2d premium, R. A. Abbott, $1.

Gratuity.

Strawberry, 25 berries, flat, Duchess, F. J. Kinney, $1.

No. 116. Peas, half-peck. 1st premium, Mrs. Austin W. Ward, $2; 2d premium, Adin A. Hixon, $1.50; 3d premium, F. J. Kinney, $1; 4th premium, Simon E. Fisher, 50c.

No. 117. Lettuce, 6 heads. 1st premium, Hanson, F. J. Kinney, $1.50; 2d premium, Tennis Ball, Charles Greenwood, $1; 3d premium, Imperial Head, Joseph Brierly, 50c.

No. 118. Spinach, half-peck. 1st premium, F. J. Kinney, $1.50; 2d premium, S. H. Record, $1; 3d premium, Willard F. Pond, 50c.

Gratuity.

Cucumber, S. H. Record, $1.

Wednesday, June 25.

No. 106. Roses, Hybrid Perpetual, distinct named varieties, 12 blooms or clusters, outdoor culture. 1st premium, O. B. Hadwen, $4; 2d premium, Miss Abbie M. Lovell, $3.

No. 107. Roses, 6 blooms or clusters. 1st premium, Mrs. T. L. Nelson, $3; 2d premium, O. B. Hadwen, $2; 3d premium, Miss Abbie M. Lovell, $1.

No. 108. Roses, named varieties, stand. 1st premium, Mrs. T. L. Nelson, $5; 2d premium, Miss Abbie M. Lovell, $3; 3d premium, Mrs. Charles E. Brooks, $2.

No. 111. Digitalis, Foxglove, display. 1st premium, Mrs. Thomas Ward, $2; 2d premium, Mrs. Charles E. Brooks, $1.

No. 112. Campanula Media, Canterbury Bell. 1st premium, Charles E. Parker, $2; 2d premium, Adin A. Hixon, $1.

No. 120. Hydrangea Otaksa, 1 plant in bloom. 1st premium, S. H. Record, $2; 2d premium, George H. Rich, $1.

No. 122. Basket, oval, flat, not to exceed 18 inches. Amateur. 1st premium, Mrs. T. L. Nelson, $3; 2d premium, Mrs. S. H. Record, $2; 3d premium, Mrs. L. Morey, $1.

No. 123. Basket, Florist. 1st premium, W. W. Cook, $3; 2d premium, Charles E. Parker, $2; 3d premium, Mrs. Thomas Ward, $1.

No. 124. Bouquet, Parlor, Amateur. 1st premium, Mrs. T. L. Nelson, $3; 2d premium, Mrs. S. H. Record, $2; 3d premium, Mrs. M. E. Woodward, $1.

No. 125. Bouquet, Parlor, Florist. 1st premium, W. W. Cook, $3; 2d premium, Charles E. Parker, $2.

No. 126. Strawberry, 25 berries, flat, Bidwell. 1st premium, Mrs. Austin W. Ward, $1.50; 2d premium, F. J. Kinney, $1; 3d premium, Charles Greenwood, 50c.

No. 127. Strawberry, 25 berries, flat, Charles Downing. 1st premium, F. J. Kinney, $2; 2d premium, William H. Earle, $1.50; 3d premium, Mrs. Josiah Goddard, $1; 4th premium, Joseph Brierly, 50c.

No. 128. Strawberry, 25 berries, flat, Crescent. 2d premium, William H. Earle, $1.

No. 129. Strawberry, 25 berries, flat, Cumberland Triumph. 1st premium, F. J. Kinney, $1.50; 2d premium, Simon E. Fisher, $1.

No. 131. Strawberry, 25 berries, flat, Sharpless. 1st premium, Mrs. Josiah Goddard, $2; 2d premium, F. J. Kinney, $1.50; 3d premium, Joseph Brierly, $1; 4th premium, Simon E. Fisher, 50c.

No. 134. Strawberry, 50 berries, flat, any variety, gratuity.

Miners, F. J. Kinney, $1.50.

Sharpless, F. J. Kinney, $1.

Windsor Chief, Mrs. Josiah Goddard, 50c.

Seneca and Warren, William H. Earle, $1.

Cherries, Mrs. L. Morey, 50c.

No. 135. Beets, summer, turnip-rooted, 12 specimens. 1st premium, Charles Greenwood, $2; 2d premium, Mrs. A. W. Ward, $1.50; 3d premium, S. H. Record, $1.

No. 136. Peas, American Wonder, half-peck. 1st premium, Charles Greenwood, $2; 2d premium, Mrs. A. W. Ward, $1.50; 3d premium, George M. Pierce, $1.

No. 137. Peas, McLean's Advancer, half-peck. 1st premium. Mrs. A. W. Ward, $2; 2d premium, S. H. Record, $1.50.

Gratuities.

Petunia, stand, W. T. Merrifield, $2.

Campanula Media, stand, Mrs. Thomas Ward, $1.

Orchis, stand, Arba Pierce, $1.

Roses, basket, Mrs. Henry Phelps, $1.

Lilies, vase, Adin A. Hixon, $1.

Wednesday, July 2.

No. 140. Cut Flowers. For the best arranged stand, without restriction as to foliage, varieties, or quantity of flowers. 1st premium, Mrs. T. L. Nelson, $3; 2d premium, Mrs. Thomas Ward, $2; 3d premium, Mrs. Charles E. Brooks, $1.

No. 141. Hardy Flowers, Biennials and Perennials, stand. 1st premium, H. B. Watts, $3; 2d premium, Mrs. Charles E. Brooks, $2; 3d premium, Mrs. T. L. Nelson, $1.

Gratuities.

Antirrhinum, stand, Mrs. S. E. Fisher, 50c.

Sweet William, stand, Mrs. C. L. Blake, 50c.

Sweet William, stand, Mrs. L. Morey, 50c.

Pansies, stand, Mrs. S. H. Record, 50c.

No. 142. Strawberry, 25 berries, flat, Bidwell. 1st premium, Mrs. Austin W. Ward, $2; 2d premium, F. J. Kinney, $1.50; 3d premium, Simon E. Fisher, $1.

No. 143. Strawberry, 25 berries, flat, Glendale. 1st premium, F. J. Kinney, $1.50; 2d premium, Simon E. Fisher, $1.

No. 144. Strawberry, 25 berries, flat, Jucunda. 1st premium, F. J. Kinney, $2.

No. 145. Strawberry, 25 berries, flat, Lincoln. 1st premium, F. J. Kinney, $1.50; 2d premium, Simon E. Fisher, $1; 3d premium, William H. Earle, 50c.

No. 146. Strawberry, 25 berries, flat, Manchester. 1st premium, Mrs. Austin W. Ward, $1.50; 2d premium, F. J. Kinney, $1; 3d premium, William H. Earle, 50c.

No. 147. Strawberry, 25 berries, flat, Miner's Great Prolific. 1st premium, F. J. Kinney, $2; 2d premium, Simon E. Fisher, $1.50.

No. 149. Strawberry, 25 berries, flat, any other variety, gratuity. Jersey Queen, F. J. Kinney, $1.50.

James Vick, F. J. Kinney, $1.

Windsor Chief, Mrs. Josiah Goddard, 50c.

No. 150. Strawberry, 50 berries, flat, gratuity, any variety.

Sharpless, Mrs. Josiah Goddard, $2.

Sharpless, F. J. Kinney, $1.50.

Miner's Prolific, F. J. Kinney, $1.

Jersey Queen, F. J. Kinney, 50c.

Gratuities.

Cherry, Coe's Transparent and Black Tartarian, George M. Pierce, $1.

Cherry, Black Tartarian, Harvey G. Upham, 50c.

Raspberry, Brandywine, Mrs. Josiah Goddard, 50c.

No. 152. Pea, Champion of England, half-peck. 2d premium, Mrs. Austin W. Ward, $1.50.

No. 153. Pea, Yorkshire Hero, half-peck. 3d premium, Mrs. Austin W. Ward, $1.

No. 154. Pea, any other variety, half-peck, gratuity. McLean's Advancer. Joseph Brierly, $1.50.

American Wonder, S. H. Record, $1.

Wednesday, July 9.

No. 155. Iris Kæmpferi, display. 2d premium, Mrs. Charles E. Brooks, $2; 3d premium, Mrs. Charles E. Parker, $1.

No. 156. Zonale Geraniums, stand, 1 truss in a bottle. 1st premium, Adin A. Hixon, $3.

No. 157. Cut Flowers, 24 named varieties. 1st premium, Mrs. T. L. Nelson, $3; 2d premium, Mrs. Thomas Ward, $2; 3d premium, Mrs. Charles E. Brooks, $1.

No. 158. Lilium Candidum, 12 spikes. 1st premium, Newell Wood, $3; 2d premium, H. B. Watts, $2; 3d premium, Charles E. Parker, $1.

No. 159. Red Raspberries, 1 quart, Brandywine. 1st premium, F. J. Kinney, $1.50.

No. 161. Raspberries, Black Cap, 1 quart, Davison's Thornless. 1st premium, Mrs. Henry Phelps, $1.50; 2d premium, Mrs. Josiah Goddard, $1; 3d premium, F. J. Kinney, 50c.

No. 162. Raspberries, Black Cap, 1 quart, Doolittle. 1st premium, Thomas A. Dawson, $1.50; 2d premium, F. J. Kinney, $1; 3d premium, Mrs. Josiah Goddard, 50c.

No. 163. Cherry, any variety, 1 quart. 1st premium, Black Tartarian, Mrs. Chester Bancroft, $1.50; 2d premium, Gov. Wood, S. H. Record, $1; 3d premium, Tradescant's Black Heart, H. G. Upham, 50c.

No. 164. Currant, 1 quart, Red Dutch. 1st premium, Daniel C. Tourtellot, $1.50; 2d premium, F. J. Kinney, $1; 3d premium, S. H. Record, 50c.

No. 165. Currant, 1 quart, White Grape. 1st premium, F. J. Kinney, $1.50; 2d premium, Mrs. Austin W. Ward, $1; 3d premium, George M. Pierce, 50c.

No. 166. Currant, 1 quart, White Dutch. 1st premium, Newell Wood, $1.50; 2d premium, Wm. G. Maynard, $1; 3d premium, Thomas A. Dawson, 50c.

No. 167. Currant, 1 quart, gratuity, any other variety. Versaillaise, Newell Wood, $1.50.

Cherry, Wm. H. Earle, $1.

Fay's Prolific, Mrs. Austin W. Ward, 50c.

No. 168. Strawberry, 25 berries, flat, gratuity, any variety. Jersey Queen, F. J. Kinney, $1.50.

Bidwell, Mrs. Austin W. Ward, $1.

James Vick, F. J. Kinney, 50c.

No. 169. Beets, Egyptian, 12 specimens. 1st premium, E. A. Bartlett, $2; 2d premium, Mrs. Austin W. Ward, $1.50: 3d premium, Charles E. Parker, $1.

No. 170. Potato, Early Rose, half-peck, 1st premium, Joseph Brierly, $2; 2d premium, Simon E. Fisher, $1.50.

No. 171. Pea, half-peck. 1st premium, McLean's Advancer, Joseph Brierly, $2; 2d premium, Champion, Simon E. Fisher, $1.50; 3d premium, Yorkshire Hero, Charles E. Parker, $1.

Gratuity.

Pea, Edible Pod, Charles E. Parker, $1.

No. 151. Beans, Snap, half-peck (called July 2, but no entries). 1st premium, Mrs. M. E. Woodward, $1.50; 2d premium, H. A. Hoyt, $1.

Gratuities.

Lilium, vase, Mrs. T. L. Nelson, $2.
Lilium, vase, H. B. Watts, $1.
Pinks, stand, Mrs. E. Babbitt, 50c.
Sweet Peas, stand, Mrs. Austin W. Ward, 50c.
Cut Flowers, stand, Mrs. L. Morey, 50c.
Cut Flowers, stand, Mrs. S. H. Record, 50c.
Delphinium, stand, Mrs. H. B. Watts, $1.
Cut Flowers, stand, Mrs. S. E. Fisher, 50c.
Cut Flowers, stand, Miss Louie Nelson, 50c.
Cut Flowers, stand, Mrs. Merrifield, 50c.
Sweet Pea, Mrs. S. E. Fisher, 50c.
Wild Lilies, 2 vases, Miss Emma F. Kinney, 50c.
Pansies, display, Miss Fannie C. Morse, $1.
Pansies, display, Mrs. Thomas Ward, $1.

Wednesday, July 16.

No. 172. German Stocks, stand. 1st premium, Charles E. Parker, $2; 2d premium, Mrs. T. L. Nelson, $1.

No. 173. Gloxinia, in bloom, 6 varieties in pots. 2d premium, Mrs. A. S. Buxton, $2.

No. 174. Lilium, vase. 1st premium, H. B. Watts, $2; 2d premium, Mrs. T. L. Nelson, $1.

No. 175. Cut Flowers, distinct varieties, named, stand. 1st premium, Mrs. T. L. Nelson, $3; 2d premium, Mrs. Charles E. Brooks, $2.

No. 176. Hollyhock, double, one flower in each vial, stand. 1st premium, Mrs. A. D. Foster, $3; 2d premium, Mrs. T. L. Nelson, 2; 3d premium, Mrs. Thomas Ward, 1.

No. 177. Currant, 1 quart, Versaillaise. 1st premium, D. C. Tourtellot, $3; 2d premium, Newell Wood, $2; 3d premium, S. A. Arnold, $1.50; 4th premium, Simon E. Fisher, $1; 5th premium, Mrs. Austin W. Ward, 50c.

No. 178. Currant, 1 quart, Red Dutch. 1st premium, D. C. Tourtellot, $3; 2d premium, Newell Wood, $2; 3d premium, F. J. Kinney, $1.50; 4th premium, James F. Allen, $1; 5th premium, S. H. Record, 50c.

No. 179. Currant, 1 quart, White Dutch. 1st premium, Newell Wood, $1.50; 2d premium, Thomas A. Dawson, $1; 3d premium, James F. Allen, 50c.

No. 180. Currant, 1 quart, White Grape. 1st premium, F. J. Kinney, $1; 2d premium, Mrs. Austin W. Ward, 50c.

No. 181. Currant, Cherry, Sparhawk's Honey, gratuity. O. S. Morey, 50c.

No. 183. Raspberry, Clarke, 1 quart. 1st premium, Mrs. Henry Lovell, $1.50; 2d premium, Mrs. C. S. Hall, $1.

No. 184. Raspberry, Franconia, 1 quart. 1st premium, Mrs. M. E. Woodward, $1.50.

No. 185. Raspberry, Hornét, 1 quart. 1st premium, Miss Adeline S. Lincoln, $1.50.

No. 187. Raspberry, Northumberland, 1 quart. 1st premium, F. J. Kinney, $1.50.

No. 188. Raspberry, Turner, 1 quart. 1st premium, Mrs. Josiah Goddard, $1.50; 2d premium, F. J. Kinney, $1.

No. 189. Raspberry, Cuthbert, 1 quart. 1st premium, F. J. Kinney, $1.50; 2d premium, Mrs. Josiah Goddard, $1.

No. 191. Blackcap, Gregg, 1 quart. 1st premium, Mrs. Josiah Goddard, $1.50; 2d premium, F. J. Kinney, $1.

No. 192. Blackcap, gratuity. Souhegan, Centennial, Tyler, F. J. Kinney, $2.

No. 193. Potato, Beauty of Hebron, half-peck. 1st premium, H. B. Watts, $2; 2d premium, F. J. Kinney, $1.50; 3d premium, Simon E. Fisher, $1.

No. 194. Bean, Early Valentine, half-peck. 1st premium, Simon E. Fisher, $2; 2d premium, Mrs. Austin W. Ward, $1.50.

No. 195. Bean, Snap, Wax, half-peck. 1st premium, F. J. Kinney, $2; 2d premium, Mrs. Austin W. Ward, $1.50; 3d premium, J. L. Peters, $1.

Gratuities.

Turnip, White Egg, H. A. Hoyt, $1.

Radish, Joseph Brierly, 50c.

Collection, 5 varieties, J. L. Peters, $2.

Cut Flowers, stand, Mrs. S. E. Fisher, 50c.

Cut Flowers, stand, Miss Louie Nelson, 50c.

China Pinks, stand, Miss Emma F. Kinney, 50c.

Fuchsia, plant, Adin A. Hixon, 50c.

Hollyhock, J. D. Baldwin, 50c.

Wednesday, July 23.

No. 196. Cut Flowers, Seedlings of 1884, stand. 1st premium, W W. Cook, $3; 2d premium, Wm. T. Merrifield, $2; 3d premium, Mrs. F. H. Merrifield, $1.

No. 197. Basket, round, flat, not to exceed 18 inches in diameter. Amateur. 1st premium, Mrs. Charles E. Brooks, $3; 2d premium, Mrs. T. L. Nelson, $2; 3d premium, Mrs. S. H. Record, 1.

No. 198. Basket, Florist. 1st premium, W. W. Cook, $3; 2d premium, Mrs. Thomas Ward, $2; 3d premium, Charles E. Parker, $1.

No. 199. Petunia, 1 spray in a bottle, stand. 1st premium, Wm. T. Merrifield, $3; 2d premium, H. B. Watts, $2; 3d premium, State Lunatic Hospital, $1.

No. 200. Sweet Pea, stand. 1st premium, H. B. Watts, $3; 2d premium, State Lunatic Hospital, $2; 3d premium, Mrs. S. E. Fisher, $1.

Gratuities.

Gloxinia, 3 plants, Mrs. J. A. Wilson, 50c.

Coreopsis, stand, Mrs. Wm. Darling, 50c.

Cut Flowers, stand, Mrs. E. H. DeLand, 50c.

Cut Flowers, Mrs. L. Morey, 50c.

Pansies, basket, Miss E. Ward, 50c.

No. 201. Raspberry, any variety, 1 quart, gratuity. Collection, 6 varieties, F. J. Kinney, $3.

Cuthbert and Gregg, Mrs. Josiah Goddard, $1.50.

Gregg, Mrs. Austin W. Ward, 50c.

Clarke, Mrs. Henry Lovell, 50c.

No. 202. Blackberry, Kittatinny, 1 quart. 1st premium, Mrs. M. E. Woodward, $1.50; 2d premium, R. A. Abbott, $1.

No. 203. Blackberry, Snyder, 1 quart. 1st premium, F. J. Kinney, $1.50; 2d premium, John Midgley, $1.

No. 204. Blackberry, Wachusett, 1 quart. 1st premium, F. J. Kinney, $1.50; 2d premium, Mrs. Josiah Goddard, $1.

No. 206. Squash, Summer, Crookneck, 4 specimens. 1st premium, Simon E. Fisher, $1; 2d premium, Mrs. M. E. Woodward, 50c.

No. 207. Squash, Scallop, 4 specimens. 2d premium, Joseph Brierly, 50c.

No. 209. Corn, Sweet, 12 ears. 1st premium, H. T. Gates, $2; 3d premium, F. J. Kinney, $1.

Gratuities.

Gooseberry, 1 plate, Charles Downing, Mrs. C. S. Hall, 50c.
Vegetables, collection, Mrs. Austin W. Ward, $1.
Currant, White Grape, 1 quart, George M. Pierce, 50c.
Cherry, English Morello, 1 quart, S. H. Record, 50c.
Potato, Clark's No. 1, H. B. Watts, 50c.

Wednesday, July 30.

No. 210. Cut Flowers, grown from Seed by Exhibitor, stand. 1st premium, W. W. Cook, $3; 2d premium, Adin A. Hixon, $2; 3d premium, Mrs. T. L. Nelson, $1.

No. 211. Bouquet, Parlor. Amateur. 1st premium, Mrs. Charles E. Brooks, $3; 2d premium, Mrs. S. H. Record, $2; 3d premium, Miss Grace A. Parker, $1.

No. 212. Bouquet, Parlor. Florist. 1st premium, W. W. Cook, $3; 2d premium, Mrs. Thomas Ward, $2; 3d premium, Mrs. Charles E. Parker, $1.

No. 213. Phlox Drummondi, stand. 1st premium, Mrs. Charles E. Brooks, $3; 2d premium, Wm. T. Merrifield, $2; 3d premium, Adin A. Hixon, $1.

No. 214. Verbena, 1 truss in a bottle, stand. 1st premium, Adin A. Hixon, $3; 2d premium, H. B. Watts, $2; 3d premium, Mrs. T. L. Nelson, $1.

Gratuities.

Cut Flowers, stand, Mrs. E. H. DeLand, $2.
Cut Flowers, stand, Mrs. S. E. Fisher, $1.
Cut Flowers, stand, Mrs. Thomas Ward, $1.

No. 215. Pear. Doyenné d'Eté, 12 specimens. 1st premium, Newell Wood, $2; 2d premium, D. L. Fisk, $1.50; 3d premium, Joseph C. Lovell, $1; 4th premium, Mrs. C. S. Hall, 50c.

No. 216. Bean, Dwarf, Horticultural, shell, half-peck. 1st premium, Adin A. Hixon, $1.50; 2d premium, J. L. Peters, $1; 3d premium, Mrs. Austin W. Ward, 50c.

No. 217. Bean, any other variety, named, half-peck. 1st premium, Marblehead, S. E. Fisher, $1.50; 2d premium, Arlington, J. L. Peters, 1.

No. 218. Cabbage, Jersey Wakefield, 3 specimens. 1st premium, F. J. Kinney, $1.50; 2d premium, Mrs. Austin W. Ward, $1.

No. 219. Corn, Sweet, 12 ears. 1st premium, Minnesota, F. J. Kinney, $1.50; 2d premium, Marblehead, H. T. Gates, $1; 3d premium, David L. Fisk, 50c.

Gratuities.

Peas, collection, H. B. Watts, $1.

Potato, Chicago Market, S. E. Fisher, 50c.

Gooseberry, Downing, F. E. Kelley, $1.

Wednesday, August 6.

No. 221. Cut Flowers, distinct varieties, 20 blooms or clusters. 1st premium, Adin A. Hixon, $3; 2d premium, W. W. Cook, $2; 3d premium, Mrs. T. L. Nelson, $1.

No. 222. Gladioli, 18 spikes, one in a bottle. 1st premium, William T. Merrifield, $3; 2d premium, Mrs. T. L. Nelson, $2.

Gratuities.

Cut Flowers, display, H. B. Watts, $1.

Cut Flowers, display, Mrs. S. E. Fisher, $1.

Cut Flowers, stand, Mrs. E. H. DeLand, 50c.

Cut Flowers, stand, Mrs. S. H. Record, 50c.

Cut Flowers, stand, Mrs. L. Morey, 50c.

Cut Flowers, stand, Mrs. W. S. Sargent, 50c.

No. 223. Apple. Any variety, twelve specimens, gratuity. Astrachan, Mrs. Austin W. Ward, $1.50.

Sweet Bough, George M. Pierce, $1.

River, Wm. Eames, 50c.

No. 224. Pear, Beurré Giffard, 12 specimens. 1st premium, Mrs. Sarah Spaulding, $1.50; 2d premium, Newell Wood, $1; 3d premium, Thomas A. Dawson, 50c.

No. 225. Pear, Doyenné d'Eté, 12 specimens. 2d premium, Newell Wood, $1.

Gratuity.

Peach, Early Rivers, William Howe, $1.

No. 226. Cabbage, 3 specimens. 1st premium, Charles Greenwood, $1.50; 2d premium, F. J. Kinney, $1.

No. 227. Corn, Crosby, 12 ears. 1st premium, F. J. Kinney, $1.50.

No. 228. Potato, Ohio, half-peck. 1st premium, S. E. Fisher, $1.50; 2d premium, L. R. Eames, $1.

No. 229. Squash, Marrow, 4 specimens. 1st premium, F. J. Kinney, $1.50.

No. 230. Tomato, Acme, 12 specimens. 1st premium, Charles Greenwood, $1.50.

Gratuities.

Cauliflower, Snowball, F. J. Kinney, $1.

Cucumbers, J. L. Peters, $1.

Wednesday, August 13.

No. 231. Antirrhinum (Snapdragon), stand. 1st premium, H. B. Watts, $3; 2d premium, Mrs. Charles E. Brooks, $2.

No. 232. German Stocks, stand. 1st premium, Mrs. F. H. Merrifield, $3; 2d premium, Mrs. Charles E. Brooks, $2; 3d premium, Mrs. Adin A. Hixon, 1.

No. 233. Begonia, tuberous-rooted, in bloom, 6 plants in pots. 1st premium, W. W. Cook, $3; 2d premium, Mrs. T. L. Nelson, $2.

No. 234. Pinks, all kinds, stand. 1st premium, W. W. Cook, $3; 2d premium, H. B. Watts, $2; 3d premium, Mrs E. Babbitt, $1.

Gratuities.

Cut Flowers, stand, Miss Louie Nelson, $1.

Cut Flowers, 2 stands, Mrs. S. E. Fisher, $1.

Cut Flowers, stand, Mrs. S. H. Record, 50c.

Cut Flowers, stand, Mrs. L. Morey, 50c.

Lilium Auratum, in pot, and Gloxinias, 24 blooms, Adin A. Hixon, $1.

No. 235. Apple. Astrachan, 12 specimens. 1st premium, Mrs. Austin W. Ward, $1.50; 2d premium, S. H. Record, $1; 3d premium, Thomas A. Dawson, 50c.

No. 236. Apple. Early Harvest, 12 specimens. 1st premium, Mrs. T. S. Stone, $1.50; 2d premium, Mrs. Sarah F. Bennett, $1; 3d premium, Mrs. M. E. Woodward, 50c.

No. 237. Pear, Beurré Giffard, 12 specimens. 1st premium, Newell Wood, $2; 2d premium, Fred. G. Stiles, $1.50; 3d premium, George C. Rice, $1; 4th premium, Wm. T. Merrifield, 50c.

No. 238. Gooseberry, Downing, 1 quart. 1st premium, F. J. Kinney, $1.

No. 240. Bean, Shell, Concord, half-peck. 2d premium, Joseph Brierly, $1.

No. 242. Tomato, Livingston's Perfection, 12 specimens. 2d premium, S. E. Fisher, $1.

Gratuities.

Grapes, Black Hamburg, grown under glass, S. H. Record, $1.50.

Huckleberries, 1 quart, Wm. Eames, 50c.

Peach, Beatrice, George W. Pierce, 50c.

Potato, Clark's No. 1, S. E. Fisher, 50c.

Wednesday, August 20.

No. 243. Aster, Rose, 18 bottles, 1 spray in each. 1st premium, Henry L. Parker, $2; 2d premium, Charles E. Parker, $1; 3d premium, Mrs. E. H. DeLand, 50c.

No. 244. Aster, Hedgehog, 18 bottles, 1 spray in each. 1st premium, Charles E. Parker, $2.

No. 245. Aster, Cocardeau, Crown, 18 bottles, 1 spray in each. 1st premium, Charles E. Parker, $2.

No. 246. Aster, Victoria, 18 bottles, 1 spray in each. 1st premium, Wm. T. Merrifield, $2; 2d premium, Charles E. Parker, $1.

No. 247. Aster, Boltzes, 18 bottles, 1 whole plant each. 1st premium, Charles E. Parker, $2.

No. 248. Aster, Pompon, stand, one spray in each bottle. 1st premium, Mrs. Charles E. Brooks $3; 2d premium, Charles E. Parker, $2; 3d premium, Wm. Darling, $1.

No. 249. Gladioli, distinct named varieties, 18 bottles, 1 spike in each 1st premium, Mrs. T. L. Nelson, $4; 2d premium, O. B. Hadwen, $3; 3d premium, H. B. Watts, $2.

No. 250. Salpiglossis, stand. 1st premium, H. B. Watts, $3; 2d premium, S. H. Record, $2; 3d premium, A. A. Hixon, $1.

Gratuities.

Floral Display, Mrs. Thomas Ward, $1.
Floral Display, Mrs. S. E. Fisher, $1.
Floral Stand, Mrs. Austin Ward, 50c.
Aster, stand, Miss Gracie Parker, 50c.
Floral Stand, Mrs. W. E. Sargent, 50c.
Floral Display, H. B. Watts, $2.
Floral Display, Mrs. Adin A. Hixon, $1.

No. 251. Apple. Astrachan, 12 specimens. 1st premium, Thomas A. Dawson, $1.50; 2d premium, S. H. Smith, $1; 3d premium, George C. Rice, 50c.

No. 253. Pear, Clapp's Favorite. 1st premium, F. A. Stratton, $2; 2d premium, Thomas A. Dawson, $1.50; 3d premium, F. J. Kinney, $1; 4th premium, Miss Carrie A. Burbank, 50c.

No. 254. Pear, Dearborn. 1st premium, R. A. Abbott, $1; 2d premium, Newell Wood, 50c.

Gratuities.

Apple, Williams, H. T. Gates, $1.50.
Apple, Williams, Geo. S. Coe, $1.
Apple, Tetofsky, George C. Rice, $1.

No. 257. Peach, Cole's Early Red. 1st premium, J. E. Pierce, $1.

Gratuity.

Peach, Early Rivers, J. E. Pierce, $1.

No. 259. Squash, Turban, 3 specimens. 1st premium. S. E. Fisher, $2. Awarded Aug. 27.

No. 260. Tomato, Paragon, 12 specimens. 1st premium, S. E. Fisher, $1.50; 2d premium, Joseph Brierly, $1. Awarded Aug 27.

No. 261. Corn, Sweet, 12 ears of not less than 12 rows. 1st premium, S. E. Fisher, $1.50; 2d premium, F. J. Kinney, $1; 3d premium, Sarah F. Bennett, 50c.

Gratuities.

Beans, Concord, S. E. Fisher, $1.

Beans, Concord, Charles E. Parker, 50c.

Celery, display, H. T. Reynolds, $2.

Cauliflower, F. J. Kinney, 50c.

Wednesday, August 27.

No. 262. Cut Flowers, distinct varieties, stand. 1st premium, Mrs. Charles E. Brooks, $3; 2d premium, Mrs. T. L. Nelson, $2; 3d premium, A. A. Hixon, $1.

No. 264. Geraniums, distinct varieties named, stand. 1st premium, Mrs. A. A. Hixon, $3; 2d premium, Mrs. Charles E. Brooks, $2.

No. 265. Gladioli, stand, no duplicates. 1st premium, H. B. Watts, $3; 2d premium, Mrs. O. B. Hadwen, $2; 3d premium, Mrs. T. L. Nelson, $1.

No. 266. Phlox, Perennial, stand. 1st premium, Mrs. Thomas Ward, $3; 2d premium, W. W. Cook, $2; 3d premium, H. B. Watts, $1.

No. 267. Apple. Sweet Bough, 12 specimens. 1st premium, O. B. Wyman, $1.50; 2d premium, S. H. Record, $1; 3d premium, William Eames, 50c.

No. 268. Apple. Duchess of Oldenburg. 1st premium, Geo. C. Rice, $2; 2d premium, Mrs. Sarah Whitney, $1.50; 3d premium, O. B. Hadwen, $1; 4th premium, William Eames, 50c.

No. 281. Apple. Williams' Red. 1st premium, George C. Rice, $1; 2d premium, H. T. Gates, 50c.

No. 269. Pear, Clapp's Favorite, 12 specimens. 1st premium, O. B. Hadwen, $3; 2d premium, F. A. Stratton, $2; 3d premium, A. C. Rice, $1.50; 4th premium, H. L. Parker, $1; 5th premium, Thomas A. Dawson, 50c.

No. 270. Pear, Rostiezer. 1st premium, Thomas A. Dawson, $1.50; 2d premium, R. A. Abbott, $1; 3d premium, O. B. Wyman, 50c.

No. 271. Pear, Tyson. 1st premium, John C. Newton, $1.50; 2d premium, George C. Rice, $1; 3d premium, Mrs. M. E. Woodward. 50c.

No. 272. Pear, Beurré de l'Assomption. 1st premium, F. M. Marble, $1.50.

Gratuity.

Pear. Petite Marguerite, Joseph C. Lovell, $1.

No. 311. Plum, Bradshaw. 1st premium, Thomas A. Dawson, $1; 2d premium, Mrs. M. E. Woodward, 50c.

No. 275. Bean, Horticultural, pole, half-peck. 1st premium, S. E. Fisher, $1.50; 2d premium, Joseph Brierly, $1; 3d premium, Mrs. A. E. Henderson, 50c.

Gratuities.

Cut Flowers, stand, Mrs. S. E. Fisher, $1.
Cut Flowers, stand, Mrs. S. H. Record, $1.
Cut Flowers, Mrs. E. H. DeLand, $1.
Dahlia, stand, F. A. Blake, $1.
Wild Flowers, vases, Asa S. Kinney, 50c.

Wednesday, September 3.

No. 276. Balsams, stand, 1 spike in a bottle. 1st premium, Mrs. S. E. Fisher, $3; 2d premium, H. B. Watts, $2; 3d premium, William Darling, $1.

No. 277. Scabiosa, stand. 1st premium, Mrs. Charles E. Parker, $3; 2d premium, William Darling, $2; 3d premium, Mrs. A. A. Hixon, $1.

No. 278. Zinnia, stand, not less than 12 varieties. 1st premium, Mrs. A. A. Hixon, $2; 2d premium, H. B. Watts, $1.

No. 279. Marigold, stand. 1st premium, Mrs. A. A. Hixon, $2; 2d premium, William Darling, $1.

Gratuities.

H. B. Watts, 50c.
Mrs. T. L. Nelson, $1.
Mrs. Thomas Ward, $1.
Mrs. S. E. Fisher, 50c.
Mrs. S. H. Record, 50c.
Mrs. L Morey, 50c.

No. 280. Apple. Sweet Bough, 12 specimens. 1st premium, Mrs. F. E. Goodale, $1; 2d premium, O. B. Wyman, 50c.

No. 283. Pear, Clapp's Favorite, 12 specimens. 1st premium, F. A. Stratton, $3; 2d premium, Alden Rice, $2; 3d premium, James Brastow, $1.50; 4th premium, A. L. Rice, $1.

No. 284. Pear, Tyson. 1st premium, George C. Rice, $1.50; 2d premium, Mrs. M. E. Woodward, $1.

Gratuities.

Apple, Alexander, Newell Wood, $1.

Apple, Somerset, A. A. Hixon, $1.

Pear, Beurré de l'Assomption, Edw. W. Lincoln, $1.

Pear, Ott, Fred. G. Stiles, 50c.

No. 285. Peach, Cooledge, 12 specimens. 1st premium, O. B. Wyman, $1.

No. 289. Plum, Imperial Gage, 12 specimens. 1st premium, S. H. Record, $1.50; 2d premium, Thomas A. Dawson, $1.

No. 291. Plum, Quackenboss. 1st premium, S. H. Record, $1.

No. 311. Plum, Bradshaw. 1st premium, S. H. Record, $1; 2d premium, Thomas A. Dawson, 50c.

No. 312. Plum, General Hand. 1st premium, S. H. Record, $1; 2d premium, F. A. Stratton, 50c.

No. 314. Plum, Lombard. 1st premium, Mrs. F. E. Goodale, $1; 2d premium, Thomas A. Dawson, 50c.

No. 316. Plum, Victoria. 1st premium, F. A. Stratton, $1; 2d premium, Thomas A. Dawson, 50c.

Gratuities.

Peach, Seedling, 12 specimens, Mrs. Henry Lovell, $1.50.

Grape, Massasoit, 3 clusters, F. J. Kinney, $1.

Potato, Queen of the Valley, H. S. Ball, $1.

Cabbage, Savoy, Alden Rice, $1.

No. 293. Vegetable, Collection of 4 varieties, Bean, Potato, half-peck, Squash, 3 specimens, Corn, Sweet, 12 ears. 1st premium, S. E. Fisher, $3; 2d premium, F. J. Kinney, $2; 3d premium, J. L. Peters, $1.

Wednesday, September 10.

No. 294. Bouquet, Parlor, loosely arranged, Amateur. 1st premium, Mrs. Charles E. Brooks, $3; 2d premium, Mrs. T. L. Nelson, $2; 3d premium, Mrs. F. H. Merrifield, $1.

No. 295. Florist. 1st premium, W. W. Cook, $3; 2d premium, Mrs. Thomas Ward, $2; 3d premium, Mrs. Charles E. Parker, $1.

No. 296. Dahlias, Large Flowered, stand. 1st premium, Mrs. Adin A. Hixon, $3; 2d premium, Mrs. F. A. Blake, $2; 3d premium, Mrs. T. L. Nelson, $1.

MASSACHUSETTS AGRICULTURAL COLLEGE

No. 297. Dahlias, Pompon, stand. 1st premium, Mrs. Adin A. Hixon, $3.

No. 298. Dahlias, single, 6 blooms. 1st premium, Mrs. Charles E. Brooks, $1; 2d premium, Mrs. Adin A. Hixon, 50c.

No. 299. Lilium Japonicum, display. 1st premium, Mrs. T. L. Nelson, $3; 2d premium, Mrs. Charles E. Brooks, $2; 3d premium, H. B. Watts, $1.

No. 300. Nasturtium and Tropæolum, stand, not more than twelve in a bottle. 1st premium, Mrs. Adin A. Hixon, $3; 2d premium, H. B. Watts, $2; 3d premium, Mrs. T. L. Nelson, $1.

No. 302. Apple. Worcester Spy, 12 specimens. 1st premium, Geo. C. Rice, 1; 2d premium, William Eames, 50c.

No. 303. Crab Apple, Transcendant, 24 specimens. 1st premium, George C. Rice, $1.50; 2d premium, S. H. Record, $1; 3d premium, Wm. Eames, 50c.

No. 304. Pear, Ansault, 12 specimens. 1st premium, J. C. Lovell, $1.50.

No. 305. Pear, Bartlett, 12 specimens. 1st premium, S. H. Record, weight 8 lbs. 3¼ oz., $1.50; 2d premium, J. W. Powers, $1; 3d premium, Amos L. Doane, 50c.

No. 306. Pear, Belle Lucrative. 1st premium, Thomas A. Dawson, $1.50; 2d premium, A. A. Copeland $1; 3d premium, Henry L. Parker, 50c.

No. 307. Pear, Earle's Bergamot. 1st premium, Charles E. Brooks, $1.50; 2d premium, Henry L. Parker, $1; 3d premium, Joseph C. Lovell, 50c.

No. 308. Pear, St. Ghislain. 1st premium, Silas J. Brimhall, $2; 2d premium, Newell Wood, $1.50; 3d premium, Mrs. Henry Phelps, $1; 4th premium, Wm. H. Earle, 50c.

No. 315. Plum, Monroe. 1st premium, S. H. Record, $1.

Gratuities.

Peaches, Seedlings, 2 plates, F. E. Kelley, $1.

Grapes, Collection of 8 plates, Joseph C. Lovell, $1.

Pear, Flemish Beauty, 1 plate, J. H. Barton, $1.

No. 317. Cucumber, half-peck, for pickles. 1st premium, Charles Greenwood, $1.50; 2d premium, S. E. Fisher, $1; 3d premium, J. L. Peters, 50c.

No. 318. Peppers, 12 specimens. 1st premium, C. A. Lovell, $1.50; 2d premium, S. H. Record, $1; 3d premium, J. L. Peters, 50c.

No. 319. Bean, Lima, half-peck. 1st premium, S. E. Fisher, $1.50; 2d premium, D. D. Winn, $1; 3d premium, F. J. Kinney, 50c.

Wednesday, September 17.

No. 320. Cut Flowers, distinct varieties, 20 blooms or clusters. 1st premium, Mrs. T. L. Nelson, $3; 2d premium, Mrs. Charles E. Brooks, $2; 3d premium, W. W. Cook, $1.

No. 321. Geranium, open culture, stand. 1st premium, Mrs. Adin A. Hixon, $3; 2d premium, Mrs. Charles E. Brooks, $2; 3d premium, W. W. Cook, $1.

No. 322. Pansy, with foliage, stand, 3 spikes in each bottle. 2d premium, Mrs. Thomas Ward, $2; 3d premium, Mrs. S. H. Record, $1.

No. 323. Flowers and Fruit, Combination. 1st premium, Mrs. Charles E. Parker, $3; 2d premium, Mrs. S. H. Record, $2; 3d premium, Mrs. T. L. Nelson, $1.

Gratuities.

Cut Flowers, stand, Mrs. S. E. Fisher, 50c.

Cut Flowers, stand, Mrs. S. H. Record, 50c.

Dahlia, stand, Mrs. Thomas Ward, 50c.

Flowers and Fruit, Vase, Mrs. L. Morey, 50c.

No. 324. Apple. Foundling. 1st premium, Mrs. S. F. Bennett, $1; 2d premium, Mrs. Josiah Goddard, 50c.

No. 325. Apple. Golden Sweet. 1st premium, George C. Rice, $1; 2d premium, Sumner Cook, 50c.

No. 326. Apple. Gravenstein. 1st premium, Charles E. Parker, $2; 2d premium, George C. Rice, $1.50; 3d premium, O. B. Wyman, $1; 4th premium, L. R. Eames, 50c.

No. 327. Pear, Bartlett. 1st premium, J. W. Powers, $3; 2d premium, S. H. Record, $2; 3d premium, S. J. Brimhall, $1.50; 4th premium, Charles H. Wakefield, $1; 5th premium, Eben Jewett, 50c.

Gratuities.

Grape, Worden, H. A. Cook, $1.

Pear, Eugene Appert, Joseph C. Lovell, $1.

No. 329. Plum, Coe's Golden Drop, 12 specimens. 1st premium, S. H. Record, $1.

No. 330. Plum, Reine Claude de Bavay. 1st premium, S. H. Record, $1; 2d premium, Mrs. M. E. Woodward, 50c.

No. 333. Melon, Yellow Flesh, 3 specimens. 1st premium, F. J. Kinney, $1.

No. 334. Melon, Green Flesh, 3 specimens. 1st premium, Charles Greenwood, $1; 2d premium, Eben Jewett, 50c.

No. 335. Watermelon, 2 specimens. 1st premium, Eben Jewett, $1; 2d premium, F. J. Kinney, 50c.

Wednesday, September 24.

No. 336. Aster, stand. 1st premium, H. B. Watts, $3; 2d premium, A. A. Hixon, $2.

No. 337. Basket, Flowers, not to exceed 15 inches in diameter, with handle, on stand, Amateur. 1st premium, Mrs. T. L. Nelson, $3; 2d premium, Mrs. Charles E. Brooks, $2; 3d premium, Mrs. S. H. Record, $1.

No. 338. Florist. 1st premium, Mrs. Thomas Ward, $3; 2d premium, Mrs. Charles E. Parker, $2.

No. 339. Verbena, stand. 1st premium, H. B. Watts, $3; 2d premium, Mrs. Adin A. Hixon, $2; 3d premium, Mrs. S. H. Record, $1.

No. 340. Cut Flowers, stand. 1st premium, Mrs. T. L. Nelson, $3; 2d premium, Mrs. Adin A. Hixon, $2; 3d premium, W. W. Cook, $1.

Gratuities.

Gladioli, display, H. B. Watts, $2.

Dahlia, display, A. A. Hixon, $2.

Cut Flowers, stand, Mrs. S. E. Fisher, 50c.

Cut Flowers, stand, W. S. Whitmore, 50c.

No. 341. Apple. Porter, 12 specimens. 1st premium, Thomas A. Dawson, $2; 2d premium, Thomas Talbot, $1.50; 3d premium, Adin A. Hixon, $1; 4th premium, L. R. Eames, 50c.

No. 343. Crab Apple. Hyslop, 24 specimens. 1st premium, George J. McCracken, $1; 2d premium, James Palmer, 50c.

No. 344. Pear, Doyenné Boussoc, 12 specimens. 1st premium, George F. Hoar, $1; 2d premium, Newell Wood, 50c.

No. 345. Pear, Durandeau. 1st premium, James F. Allen, $1.50; 2d premium, F. M. Marble, $1.

No. 347. Pear, Paradis d'Automne. 1st premium, J. Henry Hill, $2; 2d premium, James F. Allen, $1.50; 3d premium, F. M. Marble, $1; 4th premium, Wm. H. Earle, 50c.

No. 348. Pear, Seckel. 1st premium, D. C. Tourtellot, $1.50; 2d premium, J. Henry Hill, $1; 3d premium, Thomas Talbot, 50c.

No. 356. Grape, Moore, 3 clusters. 1st premium, Herbert A. Cook, $1.50.

No. 357. Grape, Lady. 1st premium, Herbert A. Cook, $1; 2d premium, Joseph C. Lovell, 50c.

No. 358. Grape, Lindley. 1st premium, Joseph C. Lovell, $1.50; 2d premium, F. J. Kinney, $1.

No. 360. Grape, Iona. 1st premium, George M. Pierce, $1.50.

No. 361. Grape, Massasoit. 1st premium, F. J. Kinney, $1.50.

No. 362. Grape, Salem. 1st premium, F. J. Kinney, $1.50.

No. 363. Grape, Wilder. 1st premium, Joseph C. Lovell, $1.50.

No. 364. Grape, Worden. 1st premium, Herbert A. Cook, $1.50; 2d premium, Joseph C. Lovell, $1; 3d premium, F. J. Kinney, 50c.

No. 365. Grape, Brighton. 1st premium, Joseph C. Lovell, $1.50; 2d premium, Mrs. Austin W. Ward, $1; 3d premium, F. J. Kinney, 50c.

Gratuity.

Grape, Rachel, J. C. Lovell, $1.

Grape, Victor, Herbert A. Cook, $1.

Grape, Seedling, Mrs. F. E. Goodale, $1.

Apple, Seedling, Thomas A. Dawson, $1.

No. 366. Carrot, any variety, 12 specimens. 1st premium, S. E. Fisher, $1.50; 2d premium, John Osborne, $1.

No. 367. Egg Plant, 4 specimens. 1st premium, F. J. Kinney, $2.

No. 368. Martynia, 24 specimens. 1st premium, S. E. Fisher, $1.50; 2d premium, H. B. Watts, $1.

Wednesday, October 1.

No. 369. Basket of Flowers, not to exceed 15 inches in diameter, flat, oval, Amateur. 1st premium, Mrs. T. L. Nelson, $3; 2d premium, Mrs. Charles E. Brooks, $2; 3d premium, Mrs. F. H. Merrifield, $1.

No. 370. Florist. 1st premium, W. W. Cook, $3; 2d premium, Mrs. Thomas Ward, $2; 3d premium, Mrs. Charles E. Parker, $1.

No. 371. Cut Flowers, stand. 1st premium, Mrs. T. L. Nelson, $3; 2d premium, Mrs. A. A. Hixon, $2; 3d premium, Mrs. Charles E. Brooks, $1.

No. 372. Gladiolus, display. 1st premium, H. B. Watts, $3.

Gratuities.

Dahlia, display, Mrs. F. A. Blake, $1.

Nasturtium, Dahlia, Marigolds, stand of each, Mrs. A. A. Hixon, $2.

Dahlia, stand, Mrs. Thomas Ward, $1.

Cut Flowers and Phlox, stand, Mrs. S. E. Fisher, $1.

Cut Flowers and Phlox, stand, Mrs. S. H. Record, 50c.

Pansy, stand, Wm. Darling, 50c.

No. 373. Apple. Gravenstein. 1st premium, O. B. Wyman, $3; 2d premium, J. Henry Hill, $2; 3d premium, Sumner Cook, $1.50; 4th premium, George C. Rice, $1; 5th premium, L. R. Eames, 50c.

No. 374. Apple. Holden Pippin. 1st premium, O. B. Wyman $1.50; 2d premium, Wm. G. Maynard, $1; 3d premium, Mrs. Josiah Goddard, 50c.

No. 375. Apple. Lyscom. 1st premium, George C. Rice, $1.50; 2d premium, Simon E. Fisher, $1; 3d premium, Mrs. Louisa Chapin, 50c.

No. 376. Apple. Twenty Ounce. 1st premium, Walter Overend, $1.50; 2d premium, L. R. Eames, $1; 3d premium, Mrs. J. B. Brastow, 50c.

No. 377. Pear, Beurré Hardy. 1st premium, J. Henry Hill, $1.50; 2d premium, George F. Hoar, $1; 3d premium, Mrs. T. L. Nelson, 50c.

No. 378. Pear, Superfin. 1st premium, Moses Church, $2; 2d premium, D. C. Tourtellot, $1.50; 3d premium, James F. Allen, $1; 4th premium, F. H. Dewey, 50c.

No. 379. Pear, Louise Bonne de Jersey. 1st premium, J. L. Estey, $3; 2d premium, A. A. Copeland, $2; 3d premium, Joseph Brierly, $1.50; 4th premium, Mrs. Henry Lovell, $1; 5th premium, Thomas A. Dawson, 50c.

No. 380. Pear, Seckel. 1st premium, Freeman Brown, $3; 2d premium, J. P. Currier, $2; 3d premium, J. Henry Hill, $1.50; 4th premium, Mrs. William Richardson, $1; 5th premium, Loring Coes, 50c.

No. 382. Pear, Washington. 1st premium, Mrs. Henry Phelps, $1; 2d premium, Edward W. Lincoln, 50c.

No. 383. Pear, Buffum. 1st premium, Samuel Smith, $1; 2d premium, E. I. Comins, 50c.

Gratuity.

Pear, St. Michel, George F. Hoar, 50c.

No. 384. Peach, any variety, 12 specimens, gratuity. Oldmixon, Thomas Smith, $1.

Seedling, Mrs. C. Bancroft, 50c.

No. 385. Grape, Concord, 3 clusters. 1st premium, A. J. Cook, $2; 2d premium, F. J. Kinney, $1; 3d premium, A. A. Copeland, 50c.

No. 386. Grape, Delaware. 1st premium, A. A. Copeland, $2; 2d premium, Horatio Phelps, $1.50; 3d premium, Wm. G. Maynard, $1; 4th premium, Walter Overend, 50c.

No. 388. Grape, Pocklington. 1st premium, Mrs. Austin W. Ward, $1; 2d premium, Mrs. Wharton, 50c.

No. 389. Grape, any other variety, gratuity. Diana, Charles E. Parker, $1.

Croton, A. J. Cook, $1.

Rochester, Mrs. Henry Phelps, $1.

Seedling, Horatio Phelps, 50c.

Martha, Curtis Jenkins, 50c.

No. 390. Vegetable, 4 varieties, Onion, Potato, half-peck each, Cabbage, 3 specimens, Squash, 6 specimens. 1st premium, F. J. Kinney, $2; 2d premium, S. E. Fisher, $1.50; 3d premium, H. B. Watts, $1.

No. 391. Cauliflower, 3 specimens. 1st premium, Cyrus A. Lovell, $1.50; 2d premium, F. J. Kinney, $1.

Gratuities.

Corn and Tomato, H. B. Watts, 50c.

Potato and Onion, William Cruickshank, $1.

Wednesday, October 8.

No. 392. Cut Flowers, distinct varieties, stand. 1st premium, Mrs. A. A. Hixon, $3; 2d premium, Mrs. Charles E. Brooks, $2; 3d premium, Mrs. T. L. Nelson, $1.

No. 393. Flowers and Fruit, Combination. 1st premium, W. W. Cook, $3; 2d premium, Charles E. Parker, $2; 3d premium, Mrs. T. L. Nelson, $1.

Gratuities.

Cut Flowers, display, A. A. Hixon, $2.

Cut Flowers, display, H. B. Watts, $2.

Cut Flowers, stand, Mrs. S. H. Record, 50c.

Cut Flowers, stand, Mrs. David Fitts, 50c.

Cut Flowers, stand, Mrs. E. H. DeLand, 50c.

Cut Flowers, stand, Mrs. S. E. Fisher, 50c.

Cut Flowers, stand, Mrs. Thomas Ward, 50c.

Cut Flowers, stand, Mrs. W. E. Sargent, 50c.

No. 394. Apple. Garden Royal, 12 specimens. 1st premium, O. B. Wyman, $1.

No. 395. Apple. Maiden's Blush. 1st premium, J. Henry Hill, $1.50.

No. 396. Apple. Washington Strawberry. 1st premium, George C. Rice, $1; 2d premium, Charles T. Foster, 50c.

No. 397. Apple. Any other variety, gratuity. Wealthy, Joseph C. Lovell, $1.

Pewaukee, George C. Rice, $1.

American Beauty, O. B. Wyman, 50c.

Golden Eagle, J. L. Peters, 50c.

No. 398. Pear, Beurré Bosc, 12 specimens. 1st premium, Sumner Dinsmore, $3; 2d premium, Edward Spaulding, $2; 3d premium, Thomas A. Dawson, $1.50; 4th premium, J. F. Allen, $1; 5th premium, Moses Church, 50c.

No. 399. Pear, Dr. Reeder. 1st premium, Moses Church, $1.50; 2d premium, George F. Hoar, $1; 3d premium, Joseph C. Lovell, 50c.

No. 400. Pear, Sheldon. 1st premium, Mrs. T. M. Lamb, $2; 2d premium, Walter Overend, $1.50; 3d premium, S. A. Arnold, $1; 4th premium, T. A. Dawson, 50c.

No. 401. Pear, any other variety, gratuity. Howell, T. A. Dawson, $1.

Marie Louise, A. K. Gould, $1.

No. 402. Grape, open culture, any variety, 3 clusters, gratuity. Collection, Joseph C. Lovell, $3.

No. 404. Quince, Orange. 1st premium, Robert Merrigan, $1.50; 2d premium, Newell Wood, $1; 3d premium, George F. Hoar, 50c.

Gratuity.

Peach, John S. Baldwin, 50c.

No. 405. Potato, 6 varieties, named, 12 specimens of each. 1st premium, F. J. Kinney, $2; 2d premium, Joseph Brierly, $1.50; 3d premium, S. E. Fisher, $1.

No. 406. Squash, Hubbard, 3 specimens. 1st premium, S. E. Fisher, $1.50; 2d premium, F. J. Kinney, $1; 3d premium, H. B. Watts, 50c.

No. 407. Celery, 6 specimens. 1st premium, F. J. Kinney, $2; 2d premium, H. T. Reynolds, $1; 3d premium, Joseph Brierly, 50c.

Wednesday, October 15.

No Exhibition this day on account of Bi-Centennial Celebration.

Wednesday, October 22.

No. 408. Cut Flowers, Bouquet, style, flat, mantle. 1st premium, W. W. Cook, $3; 2d premium, Mrs. Thomas Ward, $2; 3d premium, H. B. Watts, $1.

No. 409. Cut Flowers, stand. 1st premium, Mrs. Charles E. Brooks, $3; 2d premium, Mrs. A. A. Hixon, $2.

No. 410. Apple. Baldwin, 12 specimens. 1st premium, E. A. Bartlett, $4; 2d premium, H. A. Cook, $3; 3d premium,

George C. Rice, $2; 4th premium, S. H. Record, $1.50; 5th premium, Charles Greenwood, $1; 6th premium, S. E. Fisher, 50c.

No. 411. Apple. King of Tompkins County. 1st premium, George C. Rice, $2; 2d premium, Newell Wood, $1.50; 3d premium, Mrs. S. F. Bennett, $1; 4th premium, William Eames, 50c.

No. 412. Apple. Leicester Sweet. 1st premium, O. B. Hadwen, $1.50; 2d premium, Mrs. S. F. Bennett, $1.

No. 414. Pear, Beurré Bosc, 12 specimens. 1st premium, James F. Allen, $2; 2d premium, F. M. Marble, $1.50; 3d premium, Thomas A. Dawson, $1; 4th premium, Edward W. Lincoln, 50c.

No. 415. Pear, Dix, 12 specimens. 1st premium, O. B. Wyman, $1.50; 2d premium, H. G. Upham, $1; 3d premium, John C. Newton, 50c.

No. 416. Pear, Onondaga. 1st premium, George E. Francis, $1.50; 2d premium, J. B. Crosby, $1; 3d premium, Fred. G. Stiles, 50c.

No. 417. Grape, open culture, any variety, 3 clusters. 1st premium, Iona, S. A. Arnold, $1.50; 2d premium, Wyoming Red, F. J. Kinney, $1.

No. 418. Quince, any variety, named, 12 specimens. 1st premium, Orange, Mrs. J. P. Curtis, $3; 2d premium, Mrs. Henry Phelps, $2.

No. 419. Kohl Rabi, 6 specimens. 1st premium, Mrs. Austin W. Ward, $1.50; 2d premium, S. E. Fisher, $1; 3d premium, H. A. Jones, 50c.

No. 420. Onion, Red Globe, half-peck. 1st premium, F. J. Kinney, $1.50; 2d premium, H. B. Watts, $1.

No. 421. Onion, Yellow Danvers, half-peck. 1st premium, Charles Greenwood, $1.50; 2d premium, F. J. Kinney, $1; 3d premium, H. B. Watts, 50c.

No. 422. Salsify, 12 specimens. 1st premium, E. A. Bartlett, $1.50; 2d premium, H. T. Reynolds, $1; 3d premium, F. J. Kinney, 50c.

No. 423. Cut Flowers, in any form, gratuity.

Cut Flowers, stand, Mrs. S. H. Record, $1.

Cut Flowers, stand, Mrs. T. L. Nelson, $1.

Cut Flowers, stand, Mrs. S. E. Fisher, $1.

Cut Flowers, stand, H. B. Watts, $1.

Cut Flowers, stand, Mrs. Samuel Morey, 50c.

No. 424. Apple. McClellan, 12 specimens. 1st premium, O. B. Wyman, $1.50; 2d premium, Joseph C. Lovell, $1; 3d premium, O. B. Hadwen, 50c.

No. 425. Apple. Sutton Beauty. 1st premium, O. B. Hadwen, $1.50.

No. 426. Apple. R. I. Greening. 1st premium, George C. Rice, $3; 2d premium, S. H. Record, $2; 3d premium, Mrs. Austin W. Ward, $1.50; 4th premium, D. C. Tourtellot, $1; 5th premium, Mrs. A. J. Keith, 50c.

No. 427. Apple. Any other variety, named, gratuity. McIntosh Red, Joseph C. Lovell, $1.50.

Peck's Pleasant, George C. Rice, $1.

No. 428. Pear, Anjou. 1st premium, Isaac Bancroft, $3; 2d premium, A. K. Gould, $2; 3d premium, H. L. Parker, $1.50; 4th premium, Mrs. T. M. Lamb, $1; 5th premium, S. H. Record, 50c.

No. 429. Pear, Beurré Diel. 1st premium, Samuel Smith, $1.50; 2d premium, Thomas Talbot, $1; 3d premium, A. K. Gould, 50c.

No. 430. Pear, Doyenné du Comice, 12 specimens. 1st premium, J. Henry Hill, $3; 2d premium, George M. Pierce, $2; 3d premium, George F. Hoar, $1.50; 4th premium, Edward W. Lincoln, $1; 5th premium, P. D. Towne, 50c.

No. 431. Pear, Urbaniste. 1st premium, Thomas A. Dawson, $2; 2d premium, James F. Allen, $1.50; 3d premium, Mrs. James Green, $1; 4th premium, Joseph C. Lovell, 50c.

No. 432. Vegetable, Collection, from seed that was itself raised by the competitors. 1st premium, J. L. Peters, $3; 2d premium, Simon E. Fisher, $2.

No. 433. Salsify, 12 specimens. 1st premium, H. B. Watts, $1.50; 2d premium, J. L. Peters, $1; 3d premium, R. A. Abbott, 50c.

Wednesday, October 29.

No. 434. Fern, Parlor, 1 plant. 1st premium, Mrs. T. L. Nelson, $2; 2d premium, Mrs. Thomas Ward, $1; 3d premium, Mrs. A. C. Wilson, 50c.

No. 435. Palm, Parlor, 1 plant. 1st premium, Mrs. T. L. Nelson, $2; 2d premium, Mrs. Thomas Ward, $1; 3d premium, Mrs. Charles E. Brooks, 50c.

No. 436. Pot Plants, in bloom, gratuity. Mrs. Charles E Brooks, $1.50.

Gratuities.

Cut Flowers, stand, Mrs. Charles E. Brooks, $1.

Cut Flowers, stand, Mrs. H. B. Watts, 50c.

Pansies, stand, Mrs. William Darling, 50c.

Cut Flowers, basket, Mrs. Thomas Ward, $1.50.
Cut Flowers, basket, Mrs. A. A. Hixon, $1.
Cut Flowers, basket, Mrs. S. E. Fisher, 50c.
Wild Flowers, basket, Mrs. L. Morey, 50c.

No. 437. Apple. Hubbardston Nonesuch, 12 specimens. 1st premium, Mrs. Austin W. Ward, $3; 2d premium, George C. Rice, $2; 3d premium, William Eames, $1.50; 4th premium, William G. Maynard, $1; 5th premium, O. B. Wyman, 50c.

No. 438. Apple. Canada Red (Old Nonesuch). 1st premium, George C. Rice, $1.50; 2d premium, J. W. Powers, $1; 3d premium, Wm. Eames, 50c.

No. 439. Apple. Mother. 1st premium, George C. Rice, $1.50; 2d premium, Newell Wood, $1; 3d premium, E. J. Howe, 50c.

No. 440. Apple. Northern Spy, 12 specimens. 1st premium, Thomas A. Dawson, $2; 2d premium, Alden Rice, $1.50; 3d premium, William Eames, $1; 4th premium, George C. Rice, 50c.

No. 441. Apple. Roxbury Russet. 1st premium, George J. McCracken, $2; 2d premium, O. B. Wyman, $1.50; 3d premium, Mrs. A. J. Keith, $1; 4th premium, George C. Rice, 50c.

No. 442. Apple. Yellow Belle Flower. 1st premium, Adin A. Hixon, $1.50; 2d premium, Newell Wood, $1; 3d premium, E. N. Boynton, 50c.

No. 443. Pear, Clairgeau. 1st premium, O. B. Hadwen, $1.50; 2d premium, George F. Hoar, $1; 3d premium, Newell Wood, 50c.

No. 444. Pear, Beurré Langelier. 1st premium, George M. Pierce, $1.50; 2d premium, Fred. G. Stiles, $1; 3d premium, James F. Allen, 50c.

No. 445. Pear, Dana's Hovey. 1st premium, Henry L. Parker, $1.50; 2d premium, Silas J. Brimhall, $1.

No. 446. Pear, Duchesse d'Angoulême. 1st premium, Thomas A. Dawson, $2; 2d premium, Mrs. H. B. Buck, $1.50; 3d premium, Henry L. Parker, $1; 4th premium, J. A. Bancroft, 50c.

No. 447. Pear, Glout Morçeau, 12 specimens. 1st premium, George F. Hoar, $1.50; 2d premium, Thomas A. Dawson, $1.

No. 448. Pear, Josephine de Malines. 1st premium, Joseph L. Brierly, $1.50; 2d premium, George M. Pierce, $1; 3d premium, Mrs. Henry Phelps, 50c.

No. 449. Pear, Lawrence. 1st premium, H. A. Cook, $3; 2d premium, O. B. Wyman, $2; 3d premium, George F. Hoar, $1.50; 4th premium, J. Henry Hill, $1; 5th premium, Fred. G. Stiles, 50c.

No. 450. Pear, Mount Vernon. 1st premium, J. W. Powers, $1; 2d premium, Newell Wood, 50c.

No. 451. Pear, Winter Nelis. 1st premium, Samuel Smith, $2; 2d premium, F. J. Kinney, $1.50; 3d premium, George F. Hoar, $1; 4th premium, Freeman Brown, 50c.

No. 452. Pear, Sieulle. 1st premium, J. Henry Hill, $1.50.

No. 453. Pear, Vicar. 1st premium, S. Dinsmore, $1.50; 2d premium, H. G. Upham, $1; 3d premium, W. T. Newton, 50c.

No. 454. Collection of Vegetables. 1st premium, F. J. Kinney, $3; 2d premium, S. E. Fisher, $2.

No. 455. Seeds, Collection of Vegetables, Potatoes excluded. 1st premium, F. J. Kinney, $4; 2d premium, J. L. Peters, $3; 3d premium, A. A. Hixon, $2; 4th premium, H. A. Cook, $1.

No. 456. Celeriac, 6 specimens. 2d premium, H. B. Watts, $1.

No. 457. Celery, 12 specimens. 1st premium, H. T. Reynolds, $4; 2d premium, F. J. Kinney, $3; 3d premium, Joseph Brierly, $2; 4th premium, H. B. Watts, $1.

SPECIAL CHRYSANTHEMUM EXHIBITION

ON

Wednesday, November 12.

No. 1. Chinese, 6 plants, distinct named. 1st premium, State Lunatic Hospital, $4; 2d premium, Charles D. Thayer, $3.

No. 2. Japanese, 6 plants, distinct named. 1st premium, State Lunatic Hospital, $4; 2d premium, W. W. Cook, $3; 3d premium, Charles D. Thayer, $2.

No. 3. Pompon, 6 plants, distinct named. 1st premium, Charles D. Thayer, $4; 2d premium, State Lunatic Hospital, $3.

No. 4. From Amateurs, 3 plants, distinct in color. 1st premium, H. B. Watts, $2; 2d premium, Mrs. Charles E. Brooks, $1.50.

No. 5. Display, in pots, any variety. 1st premium, State Lunatic Bospital, $6; 2d premium, Charles D. Thayer, $4.

No. 6. Cut Blooms, stand, one spray in a bottle. 1st premium, State Lunatic Hospital, $3; 2d premium, W. W. Cook, $2; 3d premium, Mrs. F. H. Merrifield, $1.

BY-LAWS

OF THE

Worcester County Horticultural Society.

ANNUAL MEETING.

ARTICLE 1. There shall be an Annual Meeting of the Society to be held on the first Wednesday in November of each year.

MEMBERSHIP.

ARTICLE 2. Any male person may become a Member of the Society on payment of the sum of Five Dollars; females upon the payment of Three Dollars. Honorary Members may be admitted by vote of the Society or of the Trustees, but shall not have the right to vote at any Business Meeting.

OFFICERS.

ARTICLE 3. The Officers of the Society shall consist of a President, three (3) Vice-Presidents, a Secretary, a Librarian, and a Treasurer—(all of whom shall be Trustees *ex-officiis*).

The Officers are to be elected by ballot, to hold their offices until the next annual election, or until others are chosen in their places, and to discharge the duties of their respective offices.

MEETINGS OF THE SOCIETY.

ARTICLE 4. All meetings of the Society shall be called by giving not less than one (1) week's notice in at least one newspaper published in the City of Worcester. Special Meetings of the Society shall be called at any time, on the application of five (5) members therefor. And at all meetings of the Society, seven (7) shall constitute a quorum for the transaction of business.

SECRETARY.

ARTICLE 5. HIS DUTIES: The Secretary shall keep records of all business transacted at the meetings of the Society and of the Trustees, and also of the admission of Members, and he shall call and notify meetings of the Society and of the Trustees, and shall notify persons chosen to office in the Society of their election and the Committees of their appointment, and shall attend to the correspondence of the Society.

TREASURER.

ARTICLE 6. HIS DUTIES: The Treasurer shall, at each Annual Meeting of the Society, make a Report of his receipts and expenditures on account of the Society, and the condition of its finances, and exhibit his accounts. And a Committee shall be annually appointed by the Trustees to examine and audit his accounts and to report thereon. The Treasurer shall give bonds to the acceptance of the Trustees of the Society for the faithful discharge of the duties of his office.

TRUSTEES.

ARTICLE 7. THEIR NUMBER: The Trustees shall consist of any number not less than twenty-five (25) exclusive of the officers, who are Trustees *ex-officiis*—and the exact number of Trustees for the year ensuing, shall be determined at each Annual Meeting.

THEIR POWERS: The Trustees shall have the general charge and direction of the affairs and business of the Society, its funds and property, so far as not otherwise provided for in the By-Laws or at the meetings of the Society; and may appoint one or more exhibitions of Flowers, Fruit or Vegetables in each year, and make all arrangements therefor and for conducting the same, including the appointment of Committees; and may establish premiums and provide for awarding the same, and shall direct the disposal of all articles of a vegetable growth which may be presented to the Society, including the distribution of Seeds, Cions and Cuttings, Layers and Roots.

THEIR MEETINGS—QUORUM: At all meetings of the Trustees seven (7) shall constitute a quorum for the transaction of business; and a meeting of the Trustees may at any time be called, on the application of three (3) members of the Board to the President of the Society; and all meetings of the Trustees shall be called by the Secretary. There shall be stated meetings of the Trustees, to be held once in three (3) months.

FINANCE COMMITTEE.

ARTICLE 8. There shall be chosen at the Annual Meeting of the Society a Committee of three (3), one member thereof to be elected each and every year, to hold office for the term of three years; said Committee, subject to the control and supervision of the Trustees, shall have the general care and oversight of the lands, buildings and other property of the Society; shall approve all bills against the Treasury before being paid by the Treasurer, except money awarded for Premiums, and shall authorize the Treasurer to invest, for the benefit of the Society, in one or more of the Savings Banks of the City of Worcester, any money not appropriated or necessary for the current expenses of the Society.

AMENDMENTS.

ARTICLE 9. The By-Laws may be altered or amended at the Annual Meeting of the Society, by a vote of two-thirds ($\frac{2}{3}$) of the members present; provided, that previous notice shall have been given in the call for the Annual Meeting that the subject of an alteration of the By-Laws is to come before the Society at that meeting.

SCHEDULE OF PREMIUMS

OFFERED BY THE

WORCESTER COUNTY

HORTICULTURAL SOCIETY,

FOR THE YEAR

1885.

The attention of Exhibitors is particularly called to the Rules and Regulations, General and Special.

Worcester, Mass.
CHARLES HAMILTON, PRINTER,
311 Main Street.
1885.

COMMITTEE OF ARRANGEMENTS AND EXHIBITIONS.

James Draper, *Chairman.*
James F. Allen.
George Cruickshanks.

Calvin L. Hartshorn,	Charles E. Parker,
Hermann F. A. Lange,	William H. Earle,
Newell Wood,	Charles E. Brooks,
W. W. Cook,	Adin A. Hixon,
O. B. Hadwen,	Charles Greenwood.

President—Francis H. Dewey.
Secretary—Edward W. Lincoln.
Nos. 5 Oak, and 18 Front Streets.

JUDGES OF AWARD.

Flowers, Plants, Etc.—Hermann F. A. Lange.
Fruits, Etc.—James Draper.
Vegetables, Etc.—Charles Greenwood.

COMMITTEE ON NOMENCLATURE.

James F. Allen,	George E. Francis,
Hermann F. A. Lange,	O. B. Hadwen,

James Draper.

GENERAL RULES FOR ALL EXHIBITIONS.

A. Strict conformity to the Regulations and Rules will be expected and required, as well for the benefit of Exhibitors as for the convenience of the Officers of the Society.

B. Correct and legible names must be attached to each and every Flower or Plant entered in a class of named varieties.

C. All articles offered for premium must remain within the Hall throughout the hours of Exhibition, unless special permission for their removal shall be granted by the Committee on Exhibitions, etc.

D. All *Small Fruits* must be entered in boxes or baskets (except in the case of Strawberries, which are to be shown "*flat*"); but they may be displayed subsequently in plates or dishes, at the taste of the exhibitor.

E. No person can compete for more than one premium with the same variety of Flower or Fruit: nor can any person take more than one premium under the same number.

F. The Judges may correct, before the close of any Exhibition, awards made by them, if satisfied that such were erroneous.

G. The cards of competitors shall be put, reversed, beneath the plates; and the Judges of Award shall be excluded from the Hall of Exhibition until the Exhibition itself is ready for judgment.

H. Competitors are expected to conform strictly to the conditions under which articles are invited. Evasion or violation of them may be reported to the Trustees for future disqualification of the offender.

RULES AND REGULATIONS.

1. Exhibitions will be held once a fortnight as follows;—Thursday, February 5th and 19th, and March 5th and 19th. Thereafter, commencing April 9th, there will be Exhibitions every Thursday afternoon until and including October 29th, A. D., 1885. The hours of exhibition will be between 3 and 4.30 o'clock. Articles offered for premium must be in the Hall by

2.15 o'clock P. M. of the days of exhibition. Between 2.15 and 3 o'clock the Hall will be in exclusive charge of the Secretary, and the Librarian, who will allow no one else to be present. The Judges of Award may be admitted under the limitations of GENERAL RULE G.

2. Competition for premiums is open to all; but a discount of one-third of the amount will be made from awards to persons who are not Members of the Society; and it is strictly required that all specimens offered for premium shall have been grown by the competitors, *within the County of Worcester*, for a period of at least one (1) month previous to the date of exhibition.

3. After the articles are arranged they will be under the exclusive charge of the Judges, and *not even the owners* will have liberty to *remove* them until the exhibition is closed; when they will be delivered as the contributors may direct.

4. No cards of a business nature will be allowed in any Exhibition.

5. Where a certain number or quantity of Plants, Flowers, Fruits or Vegetables is designated in the schedule, there must be neither more nor less than that number or quantity of specimens shown; and in no case can any other varieties than those named in the schedule be substituted.

6. It will be the duty of the Judges to *exclude from competition all inferior specimens.* Also, all such *Designs* as, in their opinion, evince an incorrect taste. The Judge of Fruits, in making Awards, will especially regard uniformity in size, symmetry of form, and beauty in color.

7. The Committee of Arrangements have power to change the time of exhibition for any article, if an earlier or later season renders such change necessary; and the Secretary is requested to give notice of one week, in some daily paper, and also at the preceding Exhibition, when a change in the Schedule is proposed.

8. All articles offered for premiums must be correctly named. Indefinite appellations, such as "Pippin," "Sweeting," "Greening," etc., will not be considered as names. Any person exhib-

iting the same variety of Fruit or Vegetables, under different names, or exhibiting as grown by himself, Flowers, Fruit or Vegetables grown by another, thereby violating the objects and rules of the Society, shall be debarred from competing for the Society's premiums until reinstated.

9. No Flowers, Plants, Fruits or Vegetables will be entitled to a premium unless they possess points of superiority; and the Judges are *strictly required* to withhold premiums if, in their opinion, the articles exhibited do not merit them; nor shall any specimen for which a premium has been once awarded, receive another during the season.

10. Competitors will be required to furnish information as to their mode of cultivation, and to present specimens, for trial and examination, if requested.

12. In all exhibitions of Cut Flowers, the use of foliage must be restricted to that of the varieties shown; and not more than three blooms, clusters, or spikes, all which shall be of one color, and of one variety, shall be allowed in the same bottle, except when otherwise specified in the schedule.

12. No Judge shall award a premium or gratuity in any case wherein he is a competitor, or has an actual or resultant interest: in any such case the judgment shall be rendered by any three of the Committee of Arrangements and Exhibitions whom the Judge shall invite.

13. No Judge shall require anything of competitors respecting their exhibits, which is not distinctly specified in the schedule. No Flowers, Fruits, etc., etc., shall be put on the tables, for competition for premiums, by any person who is a judge as to the awards to be made for Fruits, Flowers, etc., etc.

14. The standard number required for an exhibit, whether of Fruits or Vegetables, will be Twelve (12); unless otherwise specifically declared. The usual limit of measure save for Small Fruits, will be a half peck.

15. All premiums that are not claimed within three months after the close of the official year shall be forfeited to the Society.

16. The awards will be made known as soon as the cards can be filled out and placed upon the tables.

17. "Downing's Fruits of America," revised edition, will guide the Judge of Fruits in his decisions upon matters at issue.

☞ The Judges are authorized by the Trustees, to invite the assistance of competent and discreet persons in the discharge of their duties.

FLOWERS, PLANTS, FRUITS & VEGETABLES.

A. D. 1885.

☞ The COMMITTEE ON ARRANGEMENTS AND EXHIBITIONS would direct the earnest attention of the Judges to *Rule* 6!

6. *It will be the duty of the Judges to exclude from competition all inferior specimens. Also, all such designs as, in their opinion, evince an incorrect taste. The Judge of Fruits, in making Awards, will especially regard uniformity in size, symmetry of form, and beauty in color.*

FLORAL. SPECIAL RULE—In all cases where dimensions are prescribed for exhibits, the measure shall be understood to be that of the flowers, solely; never admitting the basket, foliage, or any garniture of green.

Thursday, February 5.

HYACINTH,—IN BLOOM.—

No. 1.	Six plants, three premiums.....	$3 00	2 00	1 00
No. 2.	One plant, two premiums.....		1 00	50

PRIMULA SINENSIS,—IN BLOOM.—

No. 3.	Four plants, three premiums.....	$3 00	2 00	1 00
No. 4.	One plant, two premiums.....		1 00	50

APPLE.—

No. 5.	Fameuse, three premiums.....	$1 50	1 00	50
No. 6.	Tompkins Co. King, three premiums	$1 50	1 00	50

PEAR.—

No. 7.	Easter, two premiums.....	$1 50	1 00	
No. 8.	Any other variety (named), gratuity.			

VEGETABLE.—

No. 9.	CABBAGE, Brunswick, 3 specimens, three premiums.....$1 50	1 00	50	
No. 10.	SQUASH, Marblehead, 3 specimens, three premiums..... 1 50	1 00	50	
No. 11.	CELERY, six heads, three premiums. 1 50	1 00	50	

Thursday, February 19.

CINERARIA,—IN BLOOM.

No. 12.	Four plants, distinct in color, three premiums $3 00	2 00	1 00	

CYCLAMEN,—IN BLOOM.—

No. 13.	Four plants, three premiums.....$3 00	2 00	1 00	
No. 14.	One plant, three premiums..... 1 50	1 00	50	

APPLE.—

No. 15.	Golden Russet, of Massachusetts, three premiums.....$1 50	1 00	50	
No. 16.	Golden Russet (sweet), two premiums	1 00	50	
No. 17.	Leicester Sweet, three premiums.. 1 50	1 00	50	
No. 18.	Northern Spy, four premiums 2 00	1 50	1 00	50

PEAR.—

No. 19. Any variety, gratuity.

VEGETABLE.—

No. 20.	Cabbage, 3 specimens, Savoy, three premiums	$1 50	1 00	50
No. 21.	Squash, 3 specimens, Hubbard, three premiums	1 50	1 00	50
No. 22.	Turnip (*White Egg*), three premiums	1 50	1 00	50

Thursday, March 5.

HYACINTH,—in bloom.—

No. 23.	Six plants, three premiums	$3 00	2 00	1 00
No. 24.	One plant, two premiums		1 00	50

CUT FLOWERS.—

No. 25.	For stand of twenty-four blooms or clusters, distinct, three premiums	$3 00	2 00	1 00

AZALEA INDICA,—in bloom.—

No. 26.	Three plants, three premiums	$5 00	3 00	2 00
No. 27.	One plant, two premiums		3 00	2 00

APPLE.—

No. 28.	Baldwin, three premiums	$1 50	1 00	50
No. 29.	Belleflower (Yellow), three premiums	1 50	1 00	50
No. 30.	Cogswell, two premiums		1 00	50
No. 31.	Greening (R. I.), three premiums.	1 50	1 00	50
No. 32.	Ladies' Sweet, two premiums		1 00	50

PEAR.—

No. 33. Any variety, gratuity.

VEGETABLE.—

No 34.	Cabbage, 3 specimens, Red Dutch, three premiums	$1 50	1 00		50
No. 35.	Turnip, 6 specimens, Swede (Yellow), three premiums	1 50	1 00		50
No. 36.	Turnip, 6 specimens, Swede (White), three premiums	1 50	1 00		50

Thursday, March 19.

ARUM (RICHARDIA),—in bloom.—

No. 37.	Best collection; grown in pot, or tub, not exceeding 16 in. in diameter, three premiums	$3 00	2 00	1 00	
No. 38.	One bloom, with foliage (the largest), two premiums		1 00		50

BOUQUET—(HAND).—

No. 39.	Not more than 9 in. in diameter, three premiums	$3 00	2 00	1 00	

APPLE.—

No. 40.	Peck, three premiums	$1 50	1 00		50
No. 41.	Sutton, three premiums	1 50	1 00		50
No. 42.	Tallman, three premiums	1 50	1 00		50
No. 43.	Palmer, two premiums		1 00		50

PEAR.—

No. 44. Any variety, gratuity.

VEGETABLE.—

No. 45.	Beet, Turnip, three premiums	$1 50	1 00		50
No. 46.	Carrot, Intermediate, three premiums	1 50	1 00		50
No. 47.	Lettuce, six heads, three premiums	2 00	1 50	1 00	

Thursday, April 9.

CUT FLOWERS—BASKET.—

No. 48.	For the best round basket, on stand, not to exceed 15 inches in diameter, three premiums	$3 00	2 00	1 00
No. 49.	For the best stand, three premiums.	3 00	2 00	1 00

ZONALE GERANIUM,—IN BLOOM.—

No. 50.	Four plants, distinct in color, three premiums	$3 00	2 00	1 00

POT PLANTS,—IN BLOOM.—

No. 51. Gratuity.

APPLE.—

No. 52.	Russet (Golden), three premiums	$1 50	1 00	50
No. 53.	Russet (Red), three premiums	1 50	1 00	50
No. 54.	Russet (Roxbury), three premiums	1 50	1 00	50
No. 55.	Spitzenberg, three premiums	1 50	1 00	50

PEAR.—

No. 56. Any variety, gratuity.

VEGETABLE.—

No. 57.	PARSNEP (Hollow Crown), three premiums	$1 50	1 00	50
No. 58.	RADISH, two bunches (6 in each bunch), three premiums	2 00	1 50	1 00
No. 59.	LETTUCE, six heads, three premiums	1 50	1 00	50
	POTATOES.			
No. 60.	Clark's No. 1, three premiums	1 50	1 00	50
No. 61.	Beauty of Hebron, three premiums	1 50	1 00	50
No. 62.	SQUASH, three specimens, three premiums	1 50	1 00	50

Thursday, April 16.

BEGONIA,—IN BLOOM.—

No. 63.	One plant, three premiums.	$3 00	2 00	1 00

CUT FLOWERS.—

No. 64.	One stand, three premiums	$3 00	2 00	1 00

APPLE.—

No. 65. Any variety, gratuity.

VEGETABLE.—

No. 66.	HORSE RADISH, three premiums	$1 50	1 00	50
No. 67.	PARSNEP (Student), three premiums	1 50	1 00	50
No. 68.	RHUBARB, same variety, three premiums	1 50	1 00	50

Thursday, April 23.

PANSY—NO DUPLICATES.—

No. 69.	One stand, and one spike to a vial, three premiums	$3 00	2 00	1 00

CUT FLOWERS.—

No. 70.	HANDLE BASKET, low oval, not to exceed 15 inches in diameter, three premiums	$3 00	2 00	1 00

APPLE.—

No. 71. Any variety, gratuity.

VEGETABLE.—

No. 72.	Dandelion (cultivated), one half-peck, three premiums	$1 50	1 00	50
No. 73.	Spinach, one half-peck, three premiums	$1 50	1 00	50

Thursday, April 30.

POT PLANTS,—in bloom.—

No. 74.	Gratuity.			

VEGETABLE.—

No. 75.	Cucumber, three, three premiums	$1 50	1 00	50
No. 76.	Lettuce, six heads, three premiums	1 50	1 00	50
No. 77.	Salsify, three premiums	1 50	1 00	50

Thursday, May 7.

PANSY,—in bloom.—

No. 78.	Six plants, distinct in color, grown in pots, three premiums	$3 00	2 00	1 00

BOUQUET,—hand.—

No. 79.	Not to exceed 9 inches in diameter, three premiums	$3 00	2 00	1 00

VEGETABLE.—

No. 80.	Asparagus, two bunches, three premiums	$1 50	1 00	50
No. 81.	Dandelions, half-peck (cultivated), three premiums	1 50	1 00	50
No. 82.	Spinach, half-peck, three premiums	1 50	1 00	50

Thursday, May 14.

BASKET,—ON STAND.—

No. 83.	Not to exceed fifteen inch oval, with handle, three premiums	$3 00	2 00	1 00

BULBS—(HARDY),—OPEN CULTURE.—

No. 84.	Three premiums	$3 00	2 00	1 00

HYACINTH,—OPEN CULTURE.—

No. 85.	Display, three premiums	$3 00	2 00	1 00

VEGETABLE.—

No. 86.	ASPARAGUS, two bunches, three premiums	$1 50	1 00	50

Thursday, May 21.

CUT FLOWERS,—DISTINCT VARIETIES.—

No. 87.	Stand, three premiums	$3 00	2 00	1 00

PELARGONIUM—(FANCY AND SHOW),—IN BLOOM.—

No. 88.	Four plants, of distinct varieties, three premiums	$3 00	2 00	1 00

TULIP,—OPEN CULTURE.—

No. 89.	Display, three premiums	$3 00	2 00	1 00

VEGETABLE.—

RHUBARB,

No. 90.	Linneæs, three premiums	$1 50	1 00	50
No. 91.	Victoria, three premiums	1 50	1 00	50
No. 92.	Gratuity.			

Thursday, May 28.

CUT FLOWERS—(From Hardy Plants and Shrubs).—

No. 93. For the best display, open culture, three premiums.....$3 00 2 00 1 00

RHODODENDRON.—

No. 94. For the best display, three premiums. $3 00 2 00 1 00

AZALEA—(Ghent).—

No. 95. For the best display, three premiums $3 00 2 00 1 00

AZALEA—(Mollis).—

No. 96. For the best display, three premiums $3 00 2 00 1 00

VEGETABLE.—

No. 97. Radish, three premiums $1 50 1 00 50
No. 98. Onion (bunched), two bunches, six in each bunch, three premiums 1 50 1 00 50

Thursday, June 4.

FUCHSIA,—distinct varieties.—

No. 99. Four plants in bloom, three premiums $3 00 2 00 1 00

IRIS.—

No. 100. For the best display, three premiums $3 00 2 00 1 00

VEGETABLE.—

No. 101. Gratuity.

Thursday, June 11.

CUT FLOWERS.—

No. 102.	One Stand—(the varieties of any species must not exceed three), three premiums	$3 00	2 00	1 00
No. 103.	One Vase,—the specimens not to be tied or wired, two premiums.		2 00	1 00

PÆONIA.—

No. 104.	For the best display, three premiums	$3 00	2 00	1 00

VEGETABLE.—

No. 105.	Beet (Early), three premiums	$1 50	1 00	50
No. 106.	Pea,—Half-peck, three premiums	2 00	1 50	1 00

Thursday, June 18.

ROSES—

[To be shown in the Boxes or Vases of the Society.]

No. 107.	For the best blooms or clusters of distinct named varieties of H. P. Roses, outdoor culture, three premiums	$4 00	3 00	2 00
No. 108.	For the best six blooms or clusters of distinct named varieties of H. P. Roses, outdoor culture, three premiums	3 00	2 00	1 00
No. 109.	For the best stand of Roses, three premiums	3 00	2 00	1 00
No. 110.	Moss Roses. Best display, three premiums	3 00	2 00	1 00
No. 111.	For the best basket or dish of Roses, two premiums.		2 00	1 00

No. 112.	*Dianthus barbatus*—(Sweet William).—Stand, three premiums.	3 00	2 00	1 00	
No. 113.	*Digitalis* — (Foxglove). — Best display, two premiums.....		2 00	1 00	
No. 114.	*Campanula media* — (Canterbury Bell.)—Best display, two premiums		2 00	1 00	

STRAWBERRY.—

No. 115.	Crystal City, 24 berries, flat, three premiums	$1 50	1 00		50
No. 116.	Downer's Prolific, 24 berries, flat, three premiums.....	1 50	1 00		50
No. 117.	Jersey Queen, 24 berries, flat, three premiums.....	1 50	1 00		50
No. 118.	Any other varieties, gratuity.				

VEGETABLE.—

No. 119.	Pea, one-half peck, four premiums	$2 00	1 50	1 00	50
No. 120.	Lettuce, six heads, three premiums	1 50	1 00		50
No. 121.	Spinach, half-peck, three premiums	1 50	1 00		50

Thursday, June 25.

HYDRANGEA,—one plant, in bloom.—

No. 122.	Hortensis, two premiums.....	$2 00	1 00	
No. 123.	Otaksa, two premiums.....	2 00	1 00	
No. 124.	Thomas Hogg, two premiums..	2 00	1 00	

BASKET.—Oval, flat, not to exceed 18 inches.

No. 125.	Amateur,—three premiums.....	$3 00	2 00	1 00	
No. 126.	Florist,—three premiums.....	3 00	2 00	1 00	

BOUQUET—(PARLOR).—

No. 127.	Amateur,—three premiums	$3 00	2 00	1 00	
No. 128.	Florist,—three premiums	3 00	2 00	1 00	

PÆONIA.—

No. 129. Best display, gratuity.

STRAWBERRY.—

No. 130.	Bidwell, 24 berries, flat, three premiums	$1 50	1 00	50	
No. 131.	Charles Downing, 24 berries, flat, four premiums	2 00	1 50	1 00	50
No. 132.	Crescent, 24 berries, flat, three premiums	1 50	1 00	50	
No. 133.	Cumberland Triumph, 24 berries, flat, three premiums	1 50	1 00	50	
No. 134.	Sharpless, 24 berries, flat, four premiums	2 00	1 50	1 00	50
No. 135.	Wilder, 24 berries, flat, three premiums	1 50	1 00	50	
No. 136.	Wilson, 24 berries, flat, four premiums	2 00	1 50	1 00	50
No. 137.	Any other variety, 24 berries, gratuity.				

VEGETABLE.—

No. 138.	Beet, summer, turnip-rooted, three premiums	$2 00	1 50	1 00	
	Pea,				
No. 139.	American Wonder, one-half peck, three premiums	2 00	1 50	1 00	
No. 140.	McLean's Advancer, one-half peck, three premiums	2 00	1 50	1 00	

Thursday, July 2.

CLEMATIS,—display.—

No. 141.	Of not less than six named varieties, three premiums	$3 00	2 00	1 00	

LILIUM.—

No. 142.	For the best display, two premiums		$2 00	1 00

CUT FLOWERS.—

No. 143.	For the best arranged stand, without restriction as to foliage, varieties, or quantity of flowers, three premiums	$3 00	2 00	1 00

HARDY FLOWERS.—Biennials and Perennials.—

No. 144.	For the best stand, three premiums	$3 00	2 00	1 00

STRAWBERRY.—

No. 145.	Bidwell, 24 berries, flat, four premiums	$2 00	1 50	1 00	50
No. 146.	Jucunda, 24 berries, flat, four premiums	2 00	1 50	1 00	50
No. 147.	Manchester, 24 berries, flat, three premiums		1 50	1 00	50
No. 148.	Miner's Prolific, 24 berries, flat, four premiums	2 00	1 50	1 00	50
No. 149.	Monarch, 24 berries, three premiums		1 50	1 00	50
No. 150.	Triomphe de Gand, 24 berries, flat, three premiums		1 50	1 00	50
No. 151.	Any other variety, 24 berries, flat, gratuity.				

VEGETABLE.—

No. 152.	Bean (Snap), Green Pod, one-half peck, three premiums	$1 50	1 00	50

PEA.—

No. 153. Any variety, gratuity.

Thursday, July 9.

AQUILEGIA.—(Columbine).—

No. 154.	For the best stand, three premiums	$3 00	2 00	1 00

ZONALE GERANIUMS.—

No. 155.	For the best stand, 1 truss in a vial, three premiums	$3 00	2 00	1 00

CUT FLOWERS.—

No. 156.	For the best stand, of 24 named varieties, three premiums	$3 00	2 00	1 00
No. 157.	Lilium Candidum, 12 spikes, three premiums	3 00	2 00	1 00

RASPBERRY—(RED).—

No. 158.	Brandywine, one quart, three premiums	$1 50	1 00	50
No. 159.	Hansell, one quart, three premiums	1 50	1 00	50

BLACKCAP.—

No. 160.	Davison, one quart, two premiums		$1 00	50
No. 161.	Doolittle, one quart, two premiums		1 00	50

CHERRY.—

No. 162.	Any variety, one quart, three premiums	$1 50	1 00	50

CURRANT.—

No. 163.	Red Dutch, one quart, three premiums	$1 50	1 00	50
No. 164.	White Grape, one quart, three premiums	1 50	1 00	50
No. 165.	White Dutch, one quart, three premiums	1 50	1 00	50
No. 166.	Any other variety, one quart, gratuity.			

STRAWBERRY.—

No. 167. Any variety, 24 berries, flat, gratuity.

VEGETABLE.—

No. 168.	Beet, Turnip-rooted, three premiums	$1 50	1 00	50	

PEA.—

No. 169.	Yorkshire Hero, three premiums	$2 00	1 50	1 00	
No. 170.	Champion of England, three premiums	2 00	1 50	1 00	
No. 171.	Any other variety, gratuity.				
No. 172.	Potato, gratuity.				
No. 173.	Cabbage, 3 specimens, gratuity.				

Thursday, July 16.

GLOXINIA,—in pots.—

No. 174.	Six varieties in bloom, three premiums	$3 00	2 00	1 00	

CUT FLOWERS,—distinct varieties.—

No. 175.	Stand, three premiums	$3 00	2 00	1 00	

HOLLYHOCK,—Double.—

No. 176.	For the best stand, one flower in each vial, three premiums	$3 00	2 00	1 00	

CURRANT.—

No. 177.	La Versaillaise, one quart, five premiums	$3 00	2 00	1 50	1 00	50
No. 178.	Red Dutch, one quart, five premiums	3 00	2 00	1 50	1 00	50
No. 179.	White Dutch, one quart, three premiums		1 50	1 00	50	

No. 180.	White Grape, one quart, two premiums		1 00	50
No. 181.	Any other variety, gratuity.			

RASPBERRY.—

No. 182.	Brincklé's Orange, one quart, three premiums	$1 50	1 00	50
No. 183.	Clarke, one quart, three premiums	1 50	1 00	50
No. 184.	Franconia, one quart, three premiums	1 50	1 00	50
No. 185.	Hornét, one quart, three premiums	1 50	1 00	50
No. 186.	Hudson River Antwerp, one quart, three premiums	1 50	1 00	50
No. 187.	Northumberland, one quart, three premiums	1 50	1 00	50
No. 188.	Turner, one quart, three premiums	1 50	1 00	50
No. 189.	Cuthbert, one quart, three premiums	1 50	1 00	50
No. 190.	Herstine, one quart, three premiums	1 50	1 00	50
No. 191.	Any other variety, gratuity.			

BLACKCAP.—

No. 192.	Gregg, one quart, two premiums.		1 00	50
No. 193.	Mammoth Cluster, one quart, two premiums		1 00	50

VEGETABLE.—

No. 194.	POTATO, Beauty of Hebron, three premiums	$2 00	1 50	1 00
No. 195.	BEAN—(snap), Early Valentine, three premiums	2 00	1 50	1 00
No. 196.	Wax—(snap), three premiums	2 00	1 50	1 00

Thursday, July 23.

FLOWERS,—Seedlings of 1885.—

No. 197.	Stand, three premiums	$3 00	2 00	1 00

BASKET.—Round, flat, not to exceed 18 in. in diameter.

No. 198.	Amateur,—three premiums	$3 00	2 00	1 00
No. 199.	Florist,—three premiums	3 00	2 00	1 00

PETUNIA.—One spray in each vial.

No. 200.	Stand, three premiums	$3 00	2 00	1 00

SWEET PEA.—*Best Varieties.*—

No. 201.	Stand,—not exceeding twelve stems in a bottle, three premiums	$3 00	2 00	1 00

IRIS KÆMPFERI.—

No. 202.	Best display, three premiums	$3 00	2 00	1 00

RASPBERRY.—

No. 203. Any variety, one quart, gratuity.

BLACKBERRY.—

No. 204.	Kittatinny, one quart, two premiums		1 00	50
No. 205.	Snyder, one quart, two premiums		1 00	50
No. 206.	Wachusett, one quart, two premiums		1 00	50
No. 207.	Any other variety, gratuity.			

VEGETABLE.—

Cabbage,

No. 208.	Brunswick, 3 specimens, three premiums	$1 50	1 00	50
No. 209.	Henderson, three premiums	1 50	1 00	50

CORN.—(SWEET).—

No. 210.	Any named variety, three premiums	$2 00	1 50	1 00

POTATO.—

No. 211.	Any variety, gratuity.			
No. 212.	SQUASH, Four Summer Crookneck, two premiums		$1 00	50
No. 213.	Four Scallop, two premiums		1 00	50

TOMATO.—

No. 214.	Any named variety, three premiums	$2 00	1 50	1 00

Thursday, July 30.

CUT FLOWERS,—GROWN FROM SEED. *By Exhibitor.*

No. 215.	Stand of distinct varieties, three premiums	$3 00	2 00	1 00

BOUQUET—PARLOR.—Not to exceed 15 in. from base to tip.

No. 216.	AMATEUR,—three premiums	$3 00	2 00	1 00
No. 217.	FLORIST,—three premiums	3 00	2 00	1 00

PHLOX DRUMMONDI.—

No. 218.	Stand of best varieties, three premiums	$3 00	2 00	1 00

VERBENA,—BEST VARIETIES.—

No. 219.	Stand, one truss in a vial, three premiums	$3 00	2 00	1 00

PEAR.—

No. 220.	D'Eté, four premiums	$2 00	1 50	1 00	50

GOOSEBERRY.—

No. 221. One quart of any named variety, gratuity.

VEGETABLE.—

BEAN,

No. 222. Dwarf Horticultural (shell), half-peck, three premiums.....$1 50 1 00 50
No. 223. Any other (named) variety, three premiums 1 50 1 00 50
No. 224. CORN (Sweet), three premiums.. 1 50 1 00 50

Thursday, August 6.

HOLLYHOCK.—

No. 225. For the best display, a single spike in a vial (no duplicates), four premiums.....$4 00 3 00 2 00 1 00

CUT FLOWERS,—DISTINCT VARIETIES, NAMED.—

No. 226. Twenty blooms, or clusters, three premiums $3 00 2 00 1 00

GLADIOLUS,—NAMED.—

No. 227. Eighteen vases, one spike each, three premiums.....$3 00 2 00 1 00

APPLE.—

No. 228. Any variety, gratuity.

PEAR.—

No. 229. Giffard, three premiums.....$1 50 1 00 50
No. 230. D'Eté, two premiums..... 1 50 1 00

VEGETABLE.—

No. 231.	Corn, Crosby, two premiums...	$1 50	1 00	
No. 232.	Cucumber, 4 specimens, two premiums		1 00	50
No. 233.	Tomato, Acme, three premiums..	1 50	1 00	50

Thursday, August 13.

ANTIRRHINUM,—snap dragon.—

No. 234.	Stand, best varieties, three premiums $3 00		2 00	1 00

GERMAN STOCKS,—best varieties.—

No. 235.	Stand, three premiums.....$3 00		2 00	1 00

BEGONIA—(Tuberous-Rooted),—in bloom.—

No. 236.	Best six plants, in pots, three premiums $3 00		2 00	1 00

PINK—(All Kinds.)—

No. 237.	Stand, three premiums.....$3 00		2 00	1 00

APPLE.—

No. 238.	Astrachan (Red), three premiums $1 50		1 00	50
No. 239.	Oldenburg, three premiums....	1 50	1 00	50

PEAR.—

No. 240.	Giffard, four premiums..$2 00	1 50	1 00	50

VEGETABLE.—

No. 241.	Bean (shell), Concord, half-peck, in pods, two premiums.....		$1 50	1 00
No. 242.	Tomato, Livingston's Perfection, three premiums.....	1 50	1 00	50

Thursday, August 20.

ASTER.—

No. 243.	Rose, eighteen vials, one spray in each, three premiums.....	$2 00	1 00	50
No. 244.	Hedgehog, eighteen vials, one spray in each, three premiums..	2 00	1 00	50
No. 245.	Cocardeau (Crown), eighteen vials, one spray in each, three premiums.....	2 00	1 00	50
No. 246.	Victoria, eighteen vials, one spray in each, three premiums.....	2 00	1 00	50
No. 247.	Boltzés, eighteen vials, one whole plant in each, three premiums..	2 00	1 00	50
No. 248.	Pompon, stand, one spray in each vial, three premiums.....	3 00	2 00	1 00
No. 249.	Truffant, — Pæony-flowered, stand, one spray in each vial, three premiums.....	3 00	2 00	1 00

GLADIOLUS—(distinct varieties named.)—

No. 250.	Eighteen, 1 spike each, three premiums.....	$4 00	3 00	2 00

SALPIGLOSSIS.—

No. 251.	For the best stand, three premiums.....	$3 00	2 00	1 00

APPLE.—

No. 252.	Astrachan, three premiums.....	$1 50	1 00	50
No. 253.	Oldenburg, three premiums.....	1 50	1 00	50
No. 254.	Tetofsky, three premiums.....	1 50	1 00	50

APRICOT.—

No. 255.	Any variety, gratuity.....			$1 00	50

PEAR.—

No. 256.	Clapp's Favorite, four premiums $2 00	1 50	1 00	50

PEACH.

No. 257.	Alexander, three premiums.....$1 50		1 00	50
No. 258.	Beatrice, three premiums.....	1 50	1 00	50
No. 259.	Cole's Early Red, two premiums.		1 00	50
No. 260.	Waterloo, two premiums.....		1 00	50

VEGETABLE.—

SQUASH,

No. 261.	Marrow, 3 specimens, three premiums.....$1 50		1 00	50
No. 262.	Turban, 3 specimens, three premiums..	2 00	1 50	1 00

TOMATO,

No. 263.	Paragon, three premiums.....	1 50	1 00	50

CORN,

No. 264.	Sweet, twelve ears, of not less than twelve rows, three premiums...	1 50	1 00	.50

Thursday, August 27.

CUT FLOWERS,—DISTINCT VARIETIES.

No. 265.	Stand, three premiums.....$3 00		2 00	1 00

DELPHINIUM.—

No. 266.	Stand, best varieties, three premiums $3 00		2 00	1 00

GERANIUM—(NAMED.)—

No. 267.	Stand, one truss in each vial, three premiums $3 00		2 00	1 00

GLADIOLUS—(NO DUPLICATES.)—

No. 268.	Stand, three premiums	$3 00	2 00	1 00	

PHLOX—PERENNIAL.—

No. 269.	Stand, three premiums	$3 00	2 00	1 00	

APPLE.—

No. 270.	Sweet Bough, three premiums	$1 50	1 00	50	
No. 271.	Somerset, three premiums	1 50	1 00	50	
No. 272.	Williams, two premiums		1 00	50	

PEAR.—

No. 273.	Clapp's Favorite, five premiums	$3 00	2 00	1 50	1 00	50
No. 274.	Rostiezer, three premiums	1 50	1 00	50	
No. 275.	Tyson, three premiums	1 50	1 00	50	
No. 276.	Assomption, three premiums	1 50	1 00	50	

PEACH.—

No. 277.	Hale, three premiums	$1 50	1 00	50	
No. 278.	Rivers, three premiums	1 50	1 00	50	

VEGETABLE.—

BEAN—(HALF-PECK IN POD.)—

No. 279.	Horticultural (pole), three premiums	$1 50	1 00	50	

Thursday, September 3.

BALSAM.—

No. 280.	Stand, one spike in each vial, three premiums	$3 00	2 00	1 00	

SCABIOSA.—

No. 281.	Stand, not exceeding 6 flowers in a vial, best variety, three premiums	$3 00	2 00	1 00

ZINNIA.—

No. 282.	Stand, at least twelve varieties, one flower in a vial, two premiums		$2 00	1 00

LILIUM JAPONICUM.—

No. 283.	Best display, three premiums	$3 00	2 00	1 00

MARIGOLD.—

No. 284.	Stand, two premiums		$2 00	1 00

APPLE.—

No. 285.	Golden Sweet, two premiums		$1 00	50
No. 286.	Williams, two premiums		1 00	50

NECTARINE.—

No. 287.	Any variety, two premiums		$1 00	50

PEAR.—

No. 288.	Tyson, two premiums		$1 50	1 00
No. 289.	Petite Marguerite, two premiums		1 00	50

PEACH.—

No. 290.	Cooledge, two premiums		$1 00	50
No. 291.	George Fourth, two premiums		1 00	50
No. 292.	Foster, two premiums		1 00	50
No. 293.	Richmond, two premiums		1 00	50

PLUM.—

No. 294.	Imperial Gage, two premiums...	$1	00	50
No. 295.	Quackenboss, two premiums....	1	00	50
No. 296.	Washington, two premiums.....	1	00	50
No. 297.	Bradshaw, two premiums.....	1	00	50
No. 298.	Gen. Hand, two premiums.....	1	00	50
No. 299.	Victoria, two premiums.....	1	00	50

VEGETABLE.—

No. 300.	Best collection, three premiums..	$4 00	3 00	2 00

Thursday, September 10.

BOUQUET—(PARLOR.)—

Best, loosely arranged.

No. 301.	Amateur, three premiums.....	$3 00	2 00	1 00
No. 302.	Florist, three premiums.....	3 00	2 00	1 00

DAHLIA—one in a vial.—

Large-Flowered,

No. 303.	Stand, best variety, three premiums	$3 00	2 00	1 00

Pompon,

No. 304.	Stand, one in a vial, three premiums	3 00	2 00	1 00

Single,

No. 305.	Best six blooms, two premiums ..		1 00	50

NASTURTIUM AND TROPÆOLUM.—

No. 306.	Stand, best varieties, not more than twelve blooms in each bottle, three premiums.....	$3 00	2 00	1 00

APPLE.—

No. 307.	Worcester Spy, two premiums.			$1 00	50

APPLE—(Crab.)—

No. 308.	Transcendent, 24, three premiums..	$1 50	1 00		50

PEAR.—

No. 309.	Ansault, three premiums.....	$1 50	1 00		50
No. 310.	Bartlett, three premiums.....	1 50	1 00		50
No. 311.	Lucrative, three premiums.....	1 50	1 00		50
No. 312.	Earle's Bergamot, three premiums	1 50	1 00		50
No. 313.	St. Ghislain, four premiums	2 00	1 50	1 00	50

PEACH.—

No. 314.	Crawford (Early), two premiums.			$1 00	50
No. 315.	Oldmixon, two premiums.....			1 00	50

PLUM.—

No. 316.	Jefferson, two premiums.....			$1 00	50
No. 317.	Lombard, two premiums.....			1 00	50
No. 318.	Munroe, two premiums.....			1 00	50
No. 319.	McLaughlin, two premiums.....			1 00	50

VEGETABLE.—

Cucumber,

No. 320.	Half-peck (for pickles), three premiums.....$1 50		1 00		50

Bean,

No. 321.	Lima (large), half-peck, best, three premiums	1 50	1 00		50

PEPPER.—

No. 322.	Squash, two premiums.....			$1 00	50
No. 323.	Large Bell, twe premiums.... .			1 00	50
No. 324.	Mammoth, two premiums.....			1 00	50

Thursday, September 17.

CUT FLOWERS,—DISTINCT VARIETIES.—

No. 325.	Twenty blooms, or clusters, three premiums	$3 00	2 00	1 00	

GERANIUM,—OPEN CULTURE.—One truss in a vial.—

No. 326.	Stand, three premiums	$3 00	2 00	1 00	

PANSY,—WITH FOLIAGE.—

No. 327.	Stand, one spike in each bottle, three premiums	$3 00	2 00	1 00	

FLOWERS AND FRUIT.—

No. 328.	Combination, three premiums	$3 00	2 00	1 00	

APPLE.—

No. 329.	Foundling, two premiums			$1 00	50
No. 330.	Golden Sweet, two premiums			1 00	50
No. 331.	Gravenstein, four premiums	$2 00	1 50	1 00	50

PEAR.—

No. 332.	Bartlett, five premiums	$3 00	2 00	1 50	1 00	50
No. 333.	Pratt, two premiums				$1 00	50

PLUM.—

No. 334.	Coe's Golden Drop, two premiums			$1 00	50
No. 335.	Reine Claude de Bavay, two premiums			1 00	50

PEACH.—

No. 336.	Crawford (Early), two premiums.	$1 00		50
No. 337.	Oldmixon, two premiums.....	1 00		50

MELON.—

No. 338.	Yellow Flesh, three specimens, two premiums.....	1 00		50
No. 339.	Green Flesh, three, two premiums	1 00		50
	WATER,			
No. 340.	Two specimens, two premiums..	1 00		50

VEGETABLE.—

	CABBAGE,			
No. 341.	Deep Head, 3 specimens, three premiums $1 50	1 00		50
No. 342.	Savoy, 3 specimens, three premiums 1 50	1 00		50

Thursday, September 24.

ASTER.—

No. 343.	Stand, three premiums.....$3 00	2 00		1 00

BASKET—CUT FLOWERS.—

	Best, not to exceed fifteen inches, oval, with handle, on stand,			
No. 344.	AMATEUR,—three premiums.....$3 00	2 00		1 00
No. 345.	FLORIST,—three premiums..... 3 00	2 00		1 00

VERBENA.—

No. 346.	Stand, best, three premiums.....$3 00	2 00		1 00

CUT FLOWERS—STAND.—

No. 347.	Three premiums	$3 00	2 00	1 00	

APPLE.—

No. 348.	Porter, four premiums	$2 00	1 50	1 00	50
No. 349.	Garden Royal, two premiums			1 00	50
No. 350.	American Beauty, two premiums			1 50	1 00

APPLE—CRAB.—

No. 351.	Hyslop, 24, two premiums			$1 00	50

PEAR.—

No. 352.	Boussoe, two premiums			$1 00	50
No. 353.	Durandeau, three premiums		1 50	1 00	50
No. 354.	Merriam, two premiums			1 00	50
No. 355.	Paradis d'Automne, four premiums	2 00	1 50	1 00	50
No. 356.	Seckel, three premiums		1 50	1 00	50
No. 357.	Any other variety, two premiums			1 00	50

PEACH.—

No. 358.	Crawford (Late), two premiums			$1 00	50
No. 359.	Salway (free), two premiums			1 00	50
No. 360.	Smock, two premiums			1 00	50
No. 361.	Stump the World, two premiums			1 00	50
No. 362.	Any other variety, two premiums			1 00	50
No. 363.	New Seedling, originated in Worcester County, three premiums		1 50	1 00	50

GRAPE.—

No. 364.	Moore, three clusters, three premiums	$1 50		1 00	50
No. 365.	Lady, three clusters, two premiums			1 00	50
No. 366.	Lindley, three premiums		1 50	1 00	50

No. 367.	Prentiss, three clusters, two premiums		$1 00	50
No. 368.	Iona, three clusters, three premiums	1 50	1 00	50
No. 369.	Massasoit, three clusters, three premiums	1 50	1 00	50
No. 370.	Salem, three clusters, three premiums	1 50	1 00	50
No. 371.	Wilder, three clusters, three premiums	1 50	1 00	50
No. 372.	Worden, three clusters, three premiums	1 50	1 00	50
No. 373.	Brighton, three clusters, three premiums	1 50	1 00	50

VEGETABLE.—

No. 374.	Carrot, any variety, two premiums		$1 50	1 00
No. 375.	Egg Plant, 4 specimens, three premiums	2 00	1 50	1 00
No. 376.	Martynia, 24 specimens, two premiums		1 50	1 00

Thursday, October 1.

BASKET—(Cut Flowers).—

Not to exceed fifteen in. in diameter, flat, oval.

No. 377.	Amateur,—three premiums	$3 00	2 00	1 00
No. 378.	Florist,—three premiums	3 00	2 00	1 00

STAND—(Cut Flowers.)—

No. 379.	Three premiums	$3 00	2 00	1 00

GLADIOLUS.—

No. 380.	Best display, three premiums....	$3 00	2 00	1 00	

APPLE.—

No. 381.	Gravenstein, five premiums	$3 00	2 00	1 50	1 00	50
No. 382.	Holden, three premiums.....			1 50	1 00	50
No. 383.	Lyscom, three premiums.....			1 50	1 00	50
No. 384.	Twenty Ounce, three premiums.			1 50	1 00	50

PEAR.—

No. 385.	Hardy, three premiums.....	$1 50	1 00	50		
No. 386.	Louise Bonne de Jersey, five premiums...	$3 00	2 00	1 50	1 00	50
No. 387.	Seckel, five premiums.....	3 00	2 00	1 50	1 00	50
No. 388.	St. Michel Archange, two premiums				1 00	50
No. 389.	Washington, two premiums.....				1 00	50
No. 390.	Buffum, two premiums.....				1 00	50

PEACH.—

No. 391. Any variety, gratuity.

GRAPE.—

No. 392.	Concord, three clusters, three premiums	$2 00	1 00	50	
No. 393.	Delaware, four premiums.	2 00	1 50	1 00	50
No. 394.	Duchesse, two premiums..			1 00	50
No. 395.	Pocklington, two premiums.....			1 00	50
No. 396.	Niagara, two premiums.....			1 00	50
No. 397.	Any other variety, gratuity.				

VEGETABLE.—

CAULIFLOWER,

No. 398.	Three specimens, two premiums .		$1 50	1 00
No. 399.	Best Collection, three premiums.	4 00	3 00	2 00

Thursday, October 8.

CUT FLOWERS.—

No. 400.	Stand, three premiums.....	$3 00	2 00	1 00

FLOWERS AND FRUIT.—

No. 401.	Combination, three premiums...	$3 00	2 00	1 00

APPLE.—

No. 402.	Maiden's Blush, three premiums.	$1 50	1 00	50
No. 403.	Washington Strawberry, two premiums		1 00	50
No. 404.	Any other variety, gratuity.			

PEAR.—

No. 405.	Bosc, five premiums	$3 00	2 00	1 50	1 00	50
No. 406.	Dr. Reeder, three premiums....			1 50	1 00	50
No. 407.	Sheldon, four premiums.	2 00		1 50	1 00	50
No. 408.	Superfin, four premiums...	2 00		1 50	1 00	50
No. 409.	Any other variety, gratuity.					

GRAPE,—OPEN CULTURE.—

No. 410. Any variety, three clusters, gratuity.

QUINCE.—

No. 411.	Champion, three premiums.....	$1 50	1 00	50
No. 412.	Orange, three premiums.....	1 50	1 00	50

VEGETABLE.—

No. 413.	Potato, six varieties (named), three premiums	$2 00	1 50	1 00	
	Squash,				
No. 414.	Hubbard, three, three premiums.	1 50	1 00		50
No. 415.	Marblehead, three specimens, three premiums	1 50	1 00		50
No. 416.	Essex Hybrid, three premiums..	1 50	1 00		50
No. 417.	Celery, six, three premiums....	2 00	1 00		50

Thursday, October 15.

CUT FLOWERS.—(Bouquet.)—

No. 418.	Style, flat, mantle, not to exceed twelve inches from base to tip, three premiums	$3 00	2 00	1 00	

CUT FLOWERS.—(Stand.)—

No. 419.	Three premiums	$3 00	2 00	1 00	

APPLE.—

No. 420.	Baldwin, six premiums	$4 00	3 00	2 00	1 50	1 00	50
No. 421.	Tompkins King, four premiums			2 00	1 50	1 00	50
No. 422.	Leicester Sweet, three premiums.			1 50	1 00		50
No. 423.	Wealthy, two premiums				1 00		50
No. 424.	Fameuse, three premiums			1 50	1 00		50
No. 425.	Any other variety (named), gratuity.						

PEAR.—

No. 426.	Bosc, four premiums	$2 00	1 50	1 00	50
No. 427.	Dix, three premiums	1 50	1 00		50

No. 428.	Onondaga, three premiums.....	$1 50	1 00	50
No. 429.	Frederick Clapp, two premiums.		1 00	50

GRAPE,—OPEN CULTURE.—

No. 430.	Any variety, three clusters, three premiums	$1 50	1 00	50

QUINCE—

No. 431.	Any variety (named), three premiums	$3 00	2 00	1 00

VEGETABLE.—

No. 432.	KOHL RABI, six specimens, three premiums	$1 50	1 00	50

ONION.—

No. 433.	Red Globe—Half peck, three premiums	$1 50	1 00	50
No. 434.	Yellow Danvers—Half peck, three premiums.....	1 50	1 00	50

SALSIFY.—

No. 435.	Three premiums.....	$1 50	1 00	50

Thursday, October 22.

CUT FLOWERS.—

No. 436. In any form, gratuity.

APPLE.—

No. 437.	McClellan, three premiums.....	$1 50	1 00		50
No. 438.	Sutton, three premiums.....	1 50	1 00		50
No. 439.	R. I. Greening, five premiums	3 00	2 00	1 50	1 00	50
No. 440.	Any other variety (named), gratuity.				

PEAR.—

No. 441.	Anjou, five premiums	$3 00	2 00	1 50	1 00	50
No. 442.	Diel, three premiums.....	1 50	1 00		50
No. 443.	Comice, five premiums	3 00	2 00	1 50	1 00	50
No. 444.	Urbaniste, four premiums	2 00	1 50	1 00		50
No. 445.	Mt. Vernon, two premiums.....			1 00		50

VEGETABLE.—

No. 446.	Best Collection, grown from seed that was itself raised by the competitors, three premiums...	$3 00	2 00	1 00

Thursday, October 29.

FERN—(parlor).—

No. 447.	Best plant, three premiums.....	$2 00	1 00	50

PALM—(parlor).

No. 448.	Best plant, three premiums....	$2 00	1 00	50

POT PLANTS—In bloom.

No. 449. Gratuity.

APPLE.—

No. 450.	Hubbardston, four premiums	$2 00	1 50	1 00	50
No. 451.	Canada Red (Old Nonesuch), three premiums	1 50	1 00		50
No. 452.	Mother, three premiums	1 50	1 00		50
No. 453.	Northern Spy, four premiums	2 00	1 50	1 00	50
No. 454.	Roxbury Russet, four premiums	2 00	1 50	1 00	50
No. 455.	Belle Flower, three premiums	1 50	1 00		50

PEAR.—

No. 456.	Clairgeau, three premiums	$1 50	1 00		50
No. 457.	Langelier, three premiums	1 50	1 00		50
No. 458.	Dana's Hovey, three premiums.	1 50	1 00		50
No. 459.	Duchesse d'Angoulême, four premiums	2 00	1 50	1 00	50
No. 460.	Glout Morçeau, three premiums	1 50	1 00		50
No. 461.	Josephine de Malines, three premiums	1 50	1 00		50
No. 462.	Lawrence, five premiums	3 00	2 00	1 50	1 00	50
No. 463.	Winter Nelis, four premiums	2 00	1 50	1 00	50
No. 464.	Sieulle, three premiums	1 50	1 00		50
No. 465.	Vicar, three premiums	1 50	1 00		50

VEGETABLE.—

No. 466.	Collection, four premiums	$4 00	3 00	2 00	1 00
No. 467.	Celeriac, six specimens, three premiums	1 50	1 00		50
No. 468.	Celery, four premiums	4 00	3 00	2 00	1 00

SPECIAL CHRYSANTHEMUM EXHIBITION

ON

Thursday, November 12.

No. 1.	For the best six Chinese, or large-flowered, in pots,—distinct named varieties, three premiums.....	$4 00	3 00	2 00
No. 2.	For the best six Japanese, in pots, distinct named varieties, three premiums	$4 00	3 00	2 00
No. 3.	For the best six Pompon, in pots, distinct named varieties, three premiums	$4 00	3 00	2 00
No. 4.	For the best three plants, in pots, from Amateurs, — distinct (not named), three premiums.....	$2 00	1 50	1 00
No. 5.	For the best display, in pots, any variety, three premiums.....	$6 00	4 00	2 00
No. 6.	For Specimen Plant, of any variety, four premiums...	$4 00	3 00	2 00	1 00
No. 7.	Cut Blooms of Japanese and Chinese varieties. For the best twelve specimen blooms shown in bottles, three premiums.....	$3 00	2 00	1 00

Voluntary contributions of Baskets and Bouquets of Flowers, are respectfully solicited.

This Exhibition will be open to the public, without charge, from 3 o'clock, P. M., until 5 o'clock, P. M., and from 7 o'clock, P. M., until 9.30 o'clock, P. M.

N. B. All articles, intended for this Special Exhibition, must be in the Hall, and ready for inspection by the Judge, by One (1) o'clock, P. M., precisely, of the day of the Exhibition.

By authority of the

COMMITTEE ON ARRANGEMENTS AND EXHIBITIONS.

Attest:

EDWARD WINSLOW LINCOLN,

Secretary.

TRANSACTIONS

OF THE

WORCESTER COUNTY

HORTICULTURAL SOCIETY,

FOR THE YEAR 1885,

WITH THE

ROLL OF MEMBERS.

Worcester, Mass.
CHARLES HAMILTON, PRINTER,
311 MAIN STREET.
1886.

CONTENTS.

	PAGE
Report of the Secretary	5
Report of the Librarian	34
Report of the Treasurer	37
Report of the Delegate to the American Pomological Society	40
Appendix A	49
" B	51
" C	54
" D	56
Roll of Members	1

WORCESTER COUNTY
HORTICULTURAL SOCIETY.
A. D. 1885.

ANNUAL REPORT OF THE SECRETARY.

To the Members of the
Worcester County Horticultural Society.

The property of the Society, thanks mainly to the assiduous care of the Janitor, has been maintained in excellent condition. His Report, as Librarian, will state the increase of volumes and the use of new or old,—which is not what it should be or could be wished. Were it likely to produce the least good effect, just complaint might be made of that indifference, or neglect, which deprives us of the numerous publications, by the Federal Government, descriptive of the vegetation and botany of the far Western plains and trans-montane States. But we have managed to exist, hitherto, without pap or protection; and can continue to pay taxes for the support of other institutions or societies, whose deserts appear to be measured by their importunity or uselessness. Our Library has far outgrown its limited space, and new cases with shelving will be imperatively required in the immediate future.

The front doors and main approach to our Hall had become worn out, and were so shabby in appearance that it was made a constant theme for reproach by Members from out of town. The door-step and threshold encroached upon the Street, and it was only a question of time when their removal would be required by the City. Under these circumstances, it was determined by the Finance Committee that a complete renovation was

demanded, not alone in your own permanent interest, but by a proper regard for the appearance which a Society like this should always seek to present before the public. The work has been completed and may safely challenge criticism, as it has already compelled approval. All the necessary expenditures have been defrayed from ordinary revenue; although it has not left any sum applicable to the reduction of our debt. That, however, has been brought within such very moderate bounds, that its complete extinction cannot be long delayed. Some indispensable repairs to the passage-way, in the rear of our Hall, will finish the work deemed absolutely essential by the Finance Committee.

Our Exhibitions, until last Spring, have usually commenced with a display of Azalea Indica,—at about the period of the Vernal Equinox. And, in three cases out of four, it has chanced even then that the plants brought out were exposed to a temperature so severe as to be fatal, without greater safeguards than most growers have time to apply. Last Spring, for the first time, it was attempted to hold fortnightly Exhibitions, beginning with the first Thursday of February, being the first day of the month. Upon that date, the Hyacinth and Primula Sinensis were called for. The record made at the time, bluntly says: "Hyacinth,—no entry worthy of mention." Of Primula,—there was no entry at all. Among Apples,—the Fameuse and Tompkins Co. King, were invited, but, in the phrase of a Worcester belle of old, asked to a Cattle-Show Ball,—"*re*-clined the inv*en*tation." Two weeks later,—on the 19th of February, your Schedule called for Cineraria and Cyclamen,—each in bloom. On that day—at 11 o'clock, A. M., "the mercury indicated but +16°." The contemporary minute is: "A fair display of Cineraria, but the cold too severe to justify exposure of choice plants. Such was notably the case with the State Lunatic Hospital. No Cyclamens to speak of: either they are not,—or it is too early." Of Apples,—it was observed,—that there was,—One (1) plate of No. 15 (Golden Russet of Mass^{tts}), and 1 (one) plate of No. 17 (Leicester Sweet), No. 18 (Northern Spy), in profusion, but of quality far inferior to its kind in Autumn." "Pears were discreditable."

Later,—under date of March 5, the criticism is;—"Nos. 26 and 27: Azalea Indica—in bloom :— No entries." Cold and raw day, the call proving wholly premature. Even in Boston, where it is usually two weeks earlier than in Worcester,—Azalea Indica is not invited until the 19th. Of Apples, under the head of "No. 28, Baldwin,"—there was a large display, but in quality the specimens were plainly inferior to what were shown in Autumn. Of Yellow Belleflower, there were but two plates,—of Cogswell, one. The display of R. I. Greenings was much better in the preceding Autumn. Of Pears,—it is remarked;—"Nothing shown but Duchesse de Bourdeaux, which is fit only for cooking, and for that purpose is not superior, if equal, to other varieties heretofore known." And such is the record, continuously. Throughout March there was an extreme and almost unbroken cold spell. On the 18th, the mercury, in exposed places, indicated—6° at sunrise! On the 19th, when we have usually invited Azalea Indica but, in this instance, preferred the Arum (Richardia) it was—"milder in the morning, but cooling towards night, and only 10°+ on A. M. of 20th."

Now what does all this prove? Object lessons were intended; and, in most instances, the pupils were present. But, if examples were lacking, how could the lessons be conveyed? There is no doubt, if we elect to occupy that province, that we can force the season. Our florists have shown in Boston, triumphantly, that which, with greater difficulty, established its supremacy in Worcester. Yet this is not a florist's Society. At the risk of misapprehension, your Secretary cannot too often, nor too emphatically, declare that were its prizes to become the exclusive spoil of professional effort,—it were better that this Society had never existed. Florists can take care of themselves: it is their business, from which their livelihood is derived. But Horticulture is broader than the mere production of flowers, for sale, almost in the proportion that the thousands of door-yards and gardens bear to the tens of commercial green-houses. The Florist would sell the Astilbe Japonica when flowers are craved in winter. What cares he if its nature is to bloom luxuriantly in the sunny days of June? He coerces Deutzia Gracilis into exhaustive floriage,—indifferent or heedless if every condition of

its existence is warped. His business is to sell and get gain. And that, in getting so much of the world, he has not utterly forfeited his own soul, may be accounted as greatly to the credit of his occupation. Yet the Worcester County Horticultural Society was founded by Amateurs, has been sustained by them, is in a sound financial position through their bounty, and must depend upon them for its healthy, permanent support. The taste of the amateur is natural, if untutored. What he does not know, he may learn. The professional florist is too apt to be possessed of the devil that goes up and down in the modern Athens! His foible, too, is omniscience. The amateur does not insist that his Rose shall have been formed upon the turning-lathe,—his Aster shaped in a matrix! An imperfection, here and there, insignificant at worst, simply makes it of the earth—earthy. And there is where it belongs. Have patience, and wait for your Blue Roses, until you are transplanted to the New Jerusalem!

Let there be no misunderstanding! The contention is not that the co-operation of the professional florist should be repelled; for, in the opinion of the writer, it should not only be invited but cordially welcomed. But the suggestion intended is, that his habit is too artificial to govern in the formation of a schedule, however valuable may be his advice and aid. Ordinarily,—he will slight the popular preference, if he does not treat it with outspoken contempt. And yet the Society or individual, that can popularize a love for flowers which can be grown by all, will have achieved more for the ultimate welfare of professional floriculture, than if they were to develop inexhaustible sources of latent heat or mines of native* glass! And, of this class are notably Annuals and Bi-ennials,—with the line of division between them sometimes almost imperceptible. Of later years, somewhat has been done for their encouragement, by our offered premiums: yet but a trifle compared with what was possible. The Scabiosa got a foot-hold in our schedule, thanks to John Milton Earle! But where are the Eschscholtzia,

* This was almost written native Brass! But the writer remembered, in time, that such mines exist, and can be found (if only) in Maine! to put trust in Morse's Geography. E. W. L.

and the Dwarf Rocket Larkspur? Nay,—why cannot we help in the diffusion of botanical knowledge among our school-children by extending pecuniary inducements for the collection and display of distinct species of Wild-Flowers—through the season,—say the best ten or twenty bottles,—from Epigæa repens, along through Solomon's Seal, to Lobelia Cardinalis, or even Solidago in its almost countless variety? A hodge-podge of Wild Flowers, hitherto, has proved a delusion and snare. But the seasonable display of superior specimens of any conspicuous species, should prove instructive and of interest. For, is it not Revelation, that ye shall consider the lilies of the field!

Would it not be better,—until the expansion of the City has absorbed and swallowed up what are now its rural districts,—so to regulate our Schedule that it shall provide for the mass of the community, and be in the highest sense, popular? Is there a florist of them all who can tame the Fringed Gentian?

The verses of the greatest poet of all time were recited at Fairs and Festivals, and the approval of ancient Greece has been confirmed by the consent of successive ages. The marvellous plays of Shakspeare are read and gotten by heart, at the rural fireside, where wit and homely wisdom are made to clash, vivify, and find appreciative audience, as of old at Stratford. Modern conceit,—whether embodied in the one idea of the professing philanthropist,—the saponaceous hypocrisy of the contemporary Pharisee; the deceptive platform of the politician, in,—and who would not be out,—of office; is alike false-hearted and supercilious;—contemptuous of that plain people, whose instincts are unerring; whose approbation is seldom withheld, when merited; and whose judgments are fatal, because never finally awarded until longer mercy would be a crime.

This Worcester County Horticultural Society was incorporated for the explicit "purpose of advancing the Science, and encouraging and improving the Practice of Horticulture." In so far as those objects may be attained, by the visible display of Flowers, Fruits, or Vegetables, the Society has a just right, in political phrase, to "point with pride" to what it has accomplished. Those who are with us, but not of us, may sneer at

our claims and affect to depreciate or deny our merit in the premises. They forget—more likely never knew—what Worcester Town, or County, was, of old; how few were the skilled Pomologists; how limited was the number of varieties of Apples, in common enjoyment; how poor and much more restricted was the list of Pears. The Lilac, it is true, was fragrant in every door-yard, supplying a homely genuine beauty that still retains its charm. But that wealth of floriage,—it might almost be said of foliage, in view of the fashionable variegation; that is visible everywhere in the contracted court, upon the wider lawn, or throughout costly and extended pleasure-grounds;—was apparent nowhere, because it nowhere had existence. For now Forty-Three Years has this Society been Preacher of the new dispensation,—if not of "sweetness and light," at least of beauty and good taste. Go where you will,—look as you choose!—and you cannot miss seeing all around you, the plenteous evidence that its seed has not been sown on stony ground. Some fell among thorns, it is true; but our sturdy founders uprooted or mowed them down. So that now we behold, in every direction (and as we behold, derive enjoyment), Flower-Garden, and Orchard, and latest, perhaps best of all,—Vineyard,—in which emulation takes precedence of contentment: in which none are idly satisfied with what is, so long as there is better to be attained; wherein the best is sought and, as competitive trials have proved, often achieved. For all, or the greater part of this,—it is no exaggeration for those in whose life-time it has occurred, to ascribe unstinted credit to the ceaseless effort, advice, and encouragement extended by the Worcester County Horticultural Society.

But yet,—have we done all that we could? So long as aught remains to be accomplished, shall we consider our work complete? Is it the chief end of the Horticultural man, or woman, to produce and exhibit an apple or pear that may weigh, this year, a quarter-ounce more than a similar specimen did, in 1884? Because, by parity of reasoning, should it weigh less, you must admit a failure. Does the florist,—he or she,—analyze the Marigold, or Rose, to determine the potency of its perfume! And whether it has gained, or lost, as the seasons succeed each

other? As before stated,—it is not denied that Exhibitions have their value; but,—do they comprise the whole duty of the Horticultural man? Are they the only means of "advancing the Science, and encouraging and improving the practice of Horticulture?" The writer has beheld with admiration (with some mortification,—shall it not be confessed?) the persistent efforts of the Worcester Natural History Society to develop and foster the study of Botany. Without endowment;—over all obstacles;—worse still, against indifference;—it has persevered, until zeal has succeeded inertia and large classes devote themselves to the pursuit, mastering at least the rudiments of the science. Was not,—is not,—that our appropriate work? Was not,—is not,—that, or something very like it, the obligation that our founders assumed, when they solicited and obtained a charter? Was it not for such an expressly declared purpose that they were authorized to hold real and personal estate and clothed with certain specified powers and privileges? "To advance the Science and encourage and improve the Practice of Horticulture!" Surely, the motive and duty are sufficiently exalted to fulfil any ambition. Should not this Society awake to the complete measure of its opportunities; and not alone by its accumulation of Books (too little read!) not alone by its distribution of prizes, of value doubtless, but soon expended; but, by every other means in its power, bend its energies so as more thoroughly to accomplish its mission!

Much is heard, in our day, of the future University;—the congeries of schools wherein all learning shall be summed up and delivered to throngs of attentive and rapt students. Might we not secure it, easily and speedily, here in Worcester, were we to open our eyes and be true to ourselves? In dreams of the writer, the Mechanic Arts have found a generous patron in the Association that now assumes the title; but refuses the duties and abnegates the functions that should accompany it. Where it should be the complement of the Technical Institute, it is content to collect its rents, or to distribute among its members their allotted share of tickets to song or dance. Another dream has beheld the Farm of the Agricultural Society,—a farm and not a track for stale geldings, with hide-bound legs and armored hoofs!

An experimental farm, large enough for the modern Exhibition, and good enough to grow something fit to exhibit! Just reflect upon what might be achieved, were the Mechanics Association, the Agricultural Society, and our own Horticultural Society, to apply their every energy and resource to the promotion of their declared objects! Students, from far and near, should throng their courts, hungry and athirst for their multiform instruction; in some of whom might be awakened that divine spark of genius once latent in a Blanchard, a Howe, or Whitney. What they achieved against obstacles, and in spite of disadvantages,—*because it was in them!* would assuredly not be repressed in development, were circumstances to be rendered more propitious. Does not the prospect allure? Who would have dared to predict, a decade since, that Worcester would so soon become a famous musical centre? And yet it has been her own sons who have made her such. Is the aim, above indicated, of even half as difficult attainment? Let the people of Worcester decide, for, after all, the ultimate determination must rest with them.

"Ye cannot serve God and Mammon!"

Are you sceptical upon this point, and does the gospel of Evolution transcend that which was once delivered to the Horticultural saints? There are exhibits to which premiums are awarded, and there are other some that obtain no official recognition. There are flowers and fruits that find place in a Schedule, because of a belief (mistake though it may chance), that they ought to be encouraged; and there are others that were never mentioned, or for divers and sundry reasons have been suffered to lapse. Well,—wherein is the wrong? Or,—who is harmed? Somebody fails to get a money prize, or possibly the opportunity to compete for one! Has the milk in the horticultural cocoa-nut no greater percentage of solids than that? Does it not matter, although some seed may have fallen in stony places and other some been choked by thorns, that the harvest has been a fair average, with perhaps a remnant for the gleaners? What would they have—the children of Unreason and Greed? A society exists—

"to advance the Science and encourage and improve the Practice of Horticulture."

Does the award and distribution of money prizes promote that end? They are awarded and distributed. Is that the sole way of horticultural salvation? The entire and exclusive ambition of the horticultural man or woman? What then becomes of those who, like your Secretary, find superior specimens of *Winter Nelis* decided to be not even fifth-rate? Shall they curse the judge and go out to the highway, instigating the lame and blind to a cabal for his removal? Or shall they rejoice and be exceeding glad that they have lived to see *Josephine de Malines* attain such amazing development, finding ample satisfaction for their own inferiority in the fact that "Sparta has begotten worthier sons!" When it comes to getting an exclusive run of the trough, the titman will win every time. Faugh!

"My offence is rank, it smells to heaven."

When we pronounce a tree, shrub, or plant, hardy—what do we intend by the expression? Or, do we not, too often, use it without reflection upon its full force and significance? Some years since, a lady, writing about *Hyacinthus Candicans*, in the *Gardener's Monthly*, says that "Mr. Hovey calls this bulb hardy with the protection of a cold frame, but is better taken up and planted in the Spring, like the Gladiolus. Perhaps that is the better way to treat them; but the bulb is as hardy as a Tulip nevertheless." She goes on to describe her luck with "some covered not more than two inches, while one was fully exposed on top of the ground, in March. Every one came up,—that included." In the winter of 1879–80, your Secretary left some roots of *Calla vari-folia* in the ground, through forgetfulness, and to his utter astonishment, found them putting forth in full vigor, the following Spring. He has had a similar experience, for four winters in succession, with bulbs of *Amaryllis longifolium;* although it should be added that they were planted in a place used for the deposit of leaves gathered in the Autumn and which were sometimes heaped up a foot deep. And yet it would be called an abuse of terms, to style any variety of Amaryllis, or even Richardia, but half-hardy. In the English Magazine, *Gardening Illustrated*, Dec. 8, 1883, occurs the following: "The *lancifolium* lilies or, as they are now called,

speciosum, are now among the most handsome of the family to which they belong. The greatest drawback is that they are scarcely hardy enough for out-door culture." And yet who in Worcester County, questions the entire hardiness of Japan Lilies in their almost infinite variety! For years thousands of bulbs of *Lilium Speciosum* have summered and wintered in our municipal Elm Park, the cold during the last three winters being of extreme intensity. But still, in the summer of 1885, their vigor was more marked and their brilliancy more striking than at any former period.

Years ago,—those world-famous Horticulturists, Ellwanger and Barry, questioned the entire hardiness of *Cydonia Japonica*. In this immediate locality it has withstood a temperature of—27°, unharmed; and even in Rochester, distrust seems to be now dispelled. Yet, in Bulletin No. 7, just issued by the Department of Horticulture and Landscape Gardening attached to the Agricultural College of Michigan, it is broadly asserted, under date of Oct. 1, 1885, that "the Japanese Quince is not hardy!"

The *Villa Gardener* (Eng.) writing of *Lobelia Cardinalis*, makes the following curious statement:—"This herbaceous perennial" (Charles M. Hovey insists that it is a bi-ennial—and the experience of the writer coincides), "merely wants the protection of a cold frame, and should be sown in the autumn and kept in the house. The plants will appear in the following spring, when they should be planted into separate pots, shifting once or twice during the summer, and protected during the winter."

The climate of England is reputed to be comparatively mild. What our own winters are you need not to be told. Still, Lobelia Cardinalis is said to require the shelter of a "cold frame," in the one country; while here, in bleak New England, it riots in rich profusion, reckless of storm or sleet, and apparently indifferent should the mercury burst the bulb of its thermometer.

What then is it to be hardy? Upon what does it depend? In what respect, or to what degree, is it contingent upon uniformity of temperature, excess or deficiency of cold, fierce winds or gentle zephyrs? What forces of Nature,—restrained

or unchecked, are they that insure or permit success in the cultivation of shrubs, plants, or trees? The Winter of 1884–5, in and about Worcester, was of almost unprecedented severity. And yet the writer, who has official occasion to watch the growth of a very great diversity of vegetation, can recall no season wherein the losses were less or the damage so inappreciable. Neither was there a great fall of snow to protect the ground. What, then, is hardiness? And why?

The Grape! does it grow more hardy, with age? The present season is recorded as below the average, in temperature; but yet the varieties of that delicious fruit displayed upon our tables throughout the Autumn, A. D. 1885, are rarely surpassed for maturity or flavor. The vines of your Secretary which, as you were before informed, have been purposely encouraged to straggle at will over the choicest Pear-trees, each and all gratified the palate and appeased the stomach. At this time of writing*, a recent hard frost has left them unharmed. Delaware, or Barry, Lindley, or Brighton: more particularly that thick-skinned Diana, put forth their tendrils, cling to whatever they can catch, vibrate with every passing breeze, and furnish—ripe Grapes! Is not that what you want! If it be urged in objection to such practice, that the vine will, sooner or later, prove fatal to the tree,—the reply is apt and sufficient, that the fittest will survive. Your Secretary may be peculiar in his preference: but he will choose the grape rather than the pear, every time that he must make election. Yet the sacrifice is not imperative with those who possess land enough. They can plant other trees to support the vine—the maple notably, with its wide, spreading top, its sturdy trunk, and its usual healthy habit—perhaps also the *Catalpa speciosa*, of wonderfully rapid growth. What is to be secured, is the almost incessant vibration that appears to be essential to the thriftiness of deciduous trees; and which, by its continual motion, compels the vine to reach out its tendrils, keeps the air in constant circulation, and prevents or postpones that stagnation of the atmosphere which

* 8th October.

results in, if it does not actually produce, mildew or frost. For, as to the mystery of existence—vegetable or other—who shall say that movement is not very life?

Within how few years has the out-door Grape attained its position? It seems but yesterday that the Concord,—the pioneer in modern American Viticulture,—was introduced. Now, we are perplexed by the multitude of candidates for popular favor—whose name may well be legion and whose advocates too often appear possessed. Which varieties, or howsoever many, shall finally achieve unchallenged preëminence,—one thing is definitively settled: The Grape can be grown and perfectly matured, in Worcester County, in any reasonable exposure, out-doors, four years out of five.

But, every year, we are confronted,—would that I could say—affronted,—by some new Raspberry that has approved itself hardy! Usually it is *Rubus Occidentalis*,—a Thimble-berry, or black-cap; grown by those who know of nothing better; or who, if well informed,

"Still the worse pursue."

Your Secretary must have wearied you by his constant iteration of the truth that no variety of *Rubus Idæus* can endure a New England winter, unprotected. But the warning falls upon heedless ears; and the inexperienced grower yields himself a willing dupe to glib assurances that in this, or that, newer miracle, scepticism will be confounded.

A plant, or shrub, may survive a single winter, or more trying spring, apparently unharmed, if circumstances are exceptional. But the need of resistance to intense cold, or to piercing winds, involves a fearful draft upon its vitality,—an exaction whereto it will surely succumb sooner or later. When vegetation of any kind is hardy it can be so demonstrated. But let all who would possess themselves of a new fruit bear in mind that cheek is ample; assurance brazen; greed omnipresent and unscrupulous; and that it will be vastly cheaper to allow the hardiness, so confidently asserted, to be proved by Time, before incurring expense or suffering disappointment. Though trite it cannot be repeated too often: patient waiters will not be losers!

"Why did you bring down those hard things?" "I should think Lincoln would know better than to send them!" Such was the greeting accorded to one of your Members who, upon the 29th of August, ult., offered to the Massachusetts Horticultural Society a dozen of the *Assomption* Pear. The salutation was scarcely cordial even if veiled beneath a very latent courtesy. The Massachusetts Society invites exhibits from abroad—not restricting its solicitations to its especial Membership. The Pears in question were sent in good faith. They had taken the first Premium at our own Exhibition; and, as unusually good specimens of a comparatively new variety, it was thought might be welcomed elsewhere. The mistake was quite natural; and therein must be found the apology of the writer, who aimed to be the exhibitor and by whom, most assuredly, the error will never be repeated.

But should fruit be dead-ripe when exhibited, or simply mature? The law that governs, in Tremont Street, will not answer for the guidance of Worcester County. The Baldwin Apple is hard for months after it is fit to be picked from the tree: a circumstance alike fortunate for those who would have it in Winter, as for that large company of Orchardists who are looking to it as a profitable article of export. The Northern Spy and the Roxbury Russet would never be exhibited in the year of their growth were it exacted that they should be mellow to the touch. The chief merit of the Hubbard Squash,—among vegetables,—is its quality of late keeping. What Pear that is worth mention could be shown—hitherto—except of half-size and impenetrable even to the knife! Is it the Comice, Anjou, or Winter Nelis? Each of those leading varieties is gaining daily in bulk, color and flavor. They might be arrayed in the awkward squad of Pomology, as they were on Tremont Street, September 15th, ult., but they would be merely the result of conscription; and like all the products of a draft, thoroughly worthless for their legitimate purpose.

It may suit the peculiar eclecticism of the metropolis to gloat fondly over the fleeting charms of a Boussoc or Flemish Beauty. But, in these rustic and benighted regions, fruit is prized for its excellence of flavor and somewhat also for its keeping qualities.

There are varieties that cannot be gathered early enough or eaten soon enough, or too summarily discarded. At how many Exhibitions—in those queer old collections of everything that could be raked and scraped together;—worthless agglomerations happily banished from these Halls! have you beheld that which was seemingly fair and sound, upon introduction, turn into a mass of decay and rot before night!

"The morn beheld their proud array;
But, when the sun set, where were they?"

Fruit should be exhibited when it has attained maturity. Its ripening is an entirely different matter. Its quality, of course, can only be tested after it has become ripe; and for that purpose a committee that merits the name should reserve a sample.

Moreover, gentlemen who are disposed to be hypercritical should be consistent, and let their practice and precepts conform. If they object to a display of the *Assomption*, because the specimens are not mellow to the touch! assuredly it does not become them, but two weeks later, to accept the lowest prizes for Anjou and Winter Nelis! The season around Boston must have been at least sub-tropical, which could force those varieties into eating condition by the 15th of September. We do not wish to see them upon our tables until the very last of October. And even then we rejoice that they will not be fit to eat for weeks, if only they can be gathered of full size and complete symmetry.

Curiously enough, the judgment of your Secretary has been confirmed by *The Gardener's Chronicle* (Eng.) which, through its Boston correspondence, under date of August 29, records that "on the fruit table were some fine specimens of the new Assomption Pear."

The Twentieth (20th) Session of the American Pomological Society was held in the City of Grand Rapids, Michigan, during the early days of September. Credentials were issued to *Vice-President*, Henry L. Parker who, at much personal inconvenience, consented to represent you. It is greatly to be regretted that more of our Members could not accompany him. A

Society, of such established reputation as is this; standing for a County that yields precedence to none in the just fame of its Pomology; should not suffer laws to be passed upon matters of vital moment to its best interests, without closest watch and ward. Your Secretary has heretofore expressed decided opinions upon this subject, and they are reinforced upon each recurrence of the occasion. He would repeat the views of yore in their original form, and with added emphasis:—

"Our delegation was small in number, if not restricted as to physical size.* '*Tempora mutantur!*';—as my '*captatores verborum*' intimate, heretofore suggested in these Reports. It was not a pilgrimage to Boston,—to your next-door neighbor: nor could due representation dovetail with household shopping. But this lack of adequate attendance, liable to become more significant as distance extends, impresses upon me still more forcibly the duty of advising a remedy. Should not this Society recognize it as an inevitable obligation to be represented at each recurring Session of the AMERICAN POMOLOGICAL SOCIETY? Should it not take all proper means to ensure that its representation shall be effective? It cannot always command the gratuitous service of members who will defray their own expenses. It has no reason to expect such service to be volunteered; and it should have too high a regard for Horticulture,—whether as a Science or Practice,—to be willing to accept such proffer if tendered. That we should be represented, commends itself as eminently fit. That we should be represented by competent men, is, of course, your unanimous judgment. That the common treasure should support the common burden, must be admitted by you, upon reflection,—needing no argument. And, therefore, I do not hesitate to advise that the travelling expenses of our delegate to Philadelphia, A. D. 1883, be reimbursed; and that this Society adopt a settled policy of representation, within sharply defined limits, at all future meetings of Societies of cognate pursuits."

The American Pomological Society adjourned to meet in Boston A. D. 1887. This was done at the request of its venerable President, who desired, should his life be spared, to gather the delegates once more around him and to give them his final welcome ("absit omen!") to the familiar scenes of his home. But, although this appointment comes very close to your own Fiftieth (50th) Anniversary, your Secretary cannot believe that you will permit it to serve as an excuse for a denial of your claim to a Session of the American Pomological Society, here in Worcester, A. D. 1892. That occasion will be exceptional, of

* The delegation—a unit,—has not yet been coaxed upon the hay-scales.
E. W. L.

itself, and should be of interest to all Pomologists in the Republic. A time-honored Society that exists in exuberant force and vigor; that possesses a priceless Library, and a Hall then freed from debt; that counts its life-membership by hundreds, comprising, living or dead, a large proportion of all that has given Worcester its eminence, throughout what are now the United States, for science, learning, or enterprise; can neither be ignored nor neglected. Doubtless there would be no such disposition; as there could be no sufficient motive for it. But importunity is not always discriminating; and localities, in their impatient struggle for recognition, are not over-careful if they sometimes jostle merit aside.

This subject is again commended to your attention that you may reflect upon it in all its bearings and be better prepared for timely action. The Sessions of the American Pomological Society occur in the odd-numbered years. As the next is already assigned for A. D. 1887, in Boston; its successor will be due in 1889. A. D. 1892 will be the date of our Fiftieth Anniversary. It is submitted for your consideration, whether it may not be wise to tender, through our delegates to Boston, an invitation for the American Pomological Society to hold its Twenty-Third (23d) session in this City. That body could then decide if it would prefer to skip one year, in its sequence, omitting its regular meeting in 1891, for the sake of gratifying our wishes and doing honor to our local Pomology!

Our Society will doubtless learn, from its delegate, what impressions were produced upon his mind by the interchange of opinion at Grand Rapids. The proceedings, as reported in the contemporary press, appear to be colored by an interest somewhat remote from our own. The comparisons and discussions were mainly confined to the Smaller Fruits, so called; and, in their progress, was rendered yet more glaring a deficiency to which your attention has been often invited in these Reports. Outside of New England there would seem to be scarcely any knowledge of the *Raspberry*, in its superior development. The little tier of Counties bordering upon the Hudson River can scarcely be counted an exception to this rule; for, even in them, varieties that always flourished heretofore have, latterly,

almost entirely died out of cultivation. The Thimble-berry was the theme for comment and commendation, with here and there half-suppressed mention of the Cuthbert. Of course, the actual exhibition of fruit must be governed largely by the locality wherein it is held; and Raspberries of any kind are not commonly gathered in September. But an assembly of delegates, collected from all parts of the Republic, should broaden—not narrow—the sphere of our intelligence. An American society should advance its standard, as well for the Small Fruits as for the Apple and Pear. Nor should it lend too willing audience to the commercial spirit:—a too facile concession to which will inevitably degrade and destroy the very organization. If symptoms of any such tendency have been detected, in the proceedings at Grand Rapids, or at former sessions, they are mentioned with regret and that the voice of disinterested warning may be heard and heeded in time. What can we sell? must needs constitute an unsound platform for a Pomological Society that would be worthy of the Republic. Rather—what does our collective experience demonstrate—ought to be grown! It might well be that God looked upon the Triomphe de Gand, and Brincklé's Orange; upon the Comice, and Northern Spy; and saw that they were good. But is it credible, even though their evolution was suffered, that the Boussoe, the Datura, and Marigold, alike filled His gaze and were comprised within the same benediction!

Will it sell? What a question to be propounded by the sincere Horticulturist. Is there not a market for Asafœtida? If you elect to make Cheese, see that it be a first-class article. But must you therefore insist that the "market" requires only Limburger!

Not more than a dozen infallible causes and cures of Pear-Blight have been discovered during the past year, and proclaimed through the newspapers. Its undoubted origin is announced with oracular assurance; and, as of old, those who sacrifice at Delphi or Dodona greedily accept the revelation,—however improbable or obscure. The latest,—which derives weight from its source—the New York Agricultural Experiment

Station,—differs from the common experience in this section of the country in that it asserts:

"All varieties of the Pear in the orchard were attacked, but the Bartlett seemed more susceptible to a rapid progress of the disease than any other."

Hereabouts,—in the City of Worcester and vicinity, the Belle Lucrative and Glout Morçeau suffered worst; until of late years, when Clapp's Favorite has surpassed them in this evil respect and rapidly attained to a sad preëminence. The Bartlett, while not exempt from attack, has remained comparatively unharmed; still bearing, as when first introduced, its excessive crop of what might well be termed the Universal Pear! In the garden of the present writer, the Bosc, Seckel, and Winter Nelis, were never injured, scarce assailed even; nor the Comice, until the past summer when some twigs were partially affected. Yet those trees grew among Raspberries which exact heavy fertilization. It is due to the well-earned reputation of that Experiment Station, to quote its own language:

"Last year the infectious nature of the disease was established by a large number of artificial inoculations, made under circumstances which admitted of no doubt of the result. This year the disease has shown itself over one-third of the orchard and attacked trees in the adjoining grounds, nursery stock and hawthorn hedges.

The observations and experiments have proved that the disease enters the branches through the tender shoots at the ends or through the flowers, thereafter progressing steadily downward toward the trunk. In one instance it entered the trunk through a young shoot and destroyed the entire tree. All varieties of the pear in the orchard were attacked, but the Bartlett seemed more susceptible to a rapid progress of the disease than any other. In addition to the out-door observations a series of in-door experiments proved that the germs will live and grow in a sterilized infusion of corn meal, hay, barnyard manure, green fruit and starch. The important point established is that they will thrive outside the tree in dead organic substances. The final conclusions reached are:—

The disease is due to living germs. These germs can live and multiply indefinitely in any damp spot where there is decomposing vegetable matter. From such places they are raised into the air when dry, or carried up by moisture. From the air they lodge upon the trees, and when the conditions are favorable, pass into the tissues and cause the blight. The conditions referred to are in general (1) very tender tissues, such as are found within the flowers and at the ends of expanding shoots in spring, and (2) a moist atmosphere. No varieties

are entirely blight proof, but the disease* spreads so slowly in some that they receive little injury, especially when not making too rapid growth. The reason why the blight when seen in July and later, does not pass directly from one limb to another, or from one tree to another, is because in the first place the germs can not escape, being confined by the bark, or else escape in a viscid exudation which holds them firmly together, and in the second place there are very few places on the tree at this time of year where the surface tissues are sufficiently tender for them to find an entrance.

This suggests thoughts regarding preventives and remedies. Do not force the trees into too rapid growth by heavy fertilizing or otherwise. Place no confidence in sulphur, lime, or washes and application of any sort. Promptly remove every trace of the disease a foot or more below the lowest spot where it shows, and burn the branches."

The question arises—wherefore those "living germs" (bacteria)? What has caused their development, in these recent years, that did not induce to a similar formation and malignant activity before? Most plagues that have devastated the human race are greatly mitigated; so that their re-appearance is scarcely dreaded. Why, then, this vegetable blight, omnipresent, that gives no premonition, but is alike swift and fatal! Amputation, or excision, advised as the sole remedy, has long been tried; now and then with good results; oftener, as it seemed, with the effect of accelerating and increasing the injury already done. While we should ever be ready to accord a glad welcome to Science, let us insist also that she hold herself prepared to demonstrate beyond even cavil, the absolute truth of her claims. The establishment of a Horticultural or Pomological Experiment Station, within this great fruit-growing County of Worcester, has been suggested in these Reports. Is it not likely that it might find a broad enough field for investigation? Why should not the considerable sums now worse than wasted, in the form of monetary bounties to Agricultural Societies, be applied and utilized in some such way? Those Societies now enjoy entire immunity from taxation. Should not that suffice for aught but an insatiate craving?

By the death of *Dr.* William Workman, this Society has lost a life-long and consistent friend. His name is conspicuous upon

* High authorities, notably *Prof.* Meehan, doubt that the N. Y. Station is familiar with the dreaded and genuine Fire Blight. E. W. L.

our Roll among our earliest associates, in alphabetical order next after Daniel Waldo and Ichabod Washburn; and from that date, until increasing age admonished his retirement, he could ever be depended upon at our councils or Committees. He was *Vice-President* from A. D. 1844, to 1853, and again for the year 1857, in that whole time, according to the record, being remarkable for punctual and assiduous attendance. Thereafter, he was continued upon your Board of TRUSTEES so long as he was willing or could be induced to serve; and in that, as in every other function to which he could be persuaded, through life, his judgment was always conscientious and sound. The writer remembers that, long after Dr. Workman had been settled in Worcester, it used to be said of him that he was too modest to be successful. Fault,—or Virtue,—it signally characterized our late friend. He lived to behold his chosen profession comparatively freed from it; and to find it, in smooth, unblushing cheek, as it were accepting a new *religio medici.*

Dr. Workman was a rare adviser and, among our Trustees as elsewhere, was rarely thrown off his balance. At that time* when it was realized (it has been more than suspected since!) that two simultaneous Exhibitions of Horticultural products were one too many; he was Chairman of your Committee† to consider and decide what might be done to avert a clash. The conclusions submitted by him, from the Committee, as their "unanimous Report," were so decisive in the premises; so commended themselves to contemporary approval; and withal are rendered so pertinent at the present time by a renewal of the effort to serve two masters! that its reproduction suggests itself, as well *in memoriam*, as that it now becomes a monition from the grave:

"At the Annual Meeting of the Worcester County Horticultural Society, holden in January last, a Committee was appointed to meet a Committee of the Agricultural Society for the purpose of considering a proposition made by that Society, for a Union Exhibition of the two Societies, and said Committee were instructed to report to the Trustees of our Society.

---

* A. D. 1861.

† The Committee consisted of William Workman, O. B. Hadwen and George Jaques.

Your Committee have attended to the duty assigned, and submit the following as their Report:

The Committee of the Agricultural Society stated that the interest in the show of Fruits and Vegetables had very much declined in their Society since the organization of our Society, and for the purpose of reviving that interest and of rendering their shows more attractive, they invited us to unite our exhibitions with theirs, to hold them at their Hall and under their auspices.

They manifested their purpose, if we should decline the proposed union, to offer generous premiums for the exhibition of Fruits, Flowers and Vegetables, and intimated their fears that such competition might be injurious to the welfare of our Society.

We freely and frankly conceded to them a perfect right to offer any encouragement to increase the interest of their shows which their wisdom might dictate, and at the same time expressed our conviction that no injury would result to our Society from the threatened competition; but, on the contrary, we were persuaded that it would operate rather as a salutary stimulus to our members to make greater exertions to improve the excellence of our own shows. Why should we fear the competition?

The Agricultural Society had the whole field to themselves for twenty or more years before the existence of the Horticultural Society, and what results have they to show for their labors so far as the cultivation of Fruits and Flowers was concerned? At the time of the organization of the Horticultural Society, twenty years ago, a small supply of tolerably good Winter Apples might be obtained by applying in season to the farmers. Very few appeared in the streets for sale, and the market was as bare of the finer kinds of Summer and Fall Apples as the ground is of snow in June. Not a peck of Pears could be purchased during the whole season which anybody now would think fit for any animal but the pigs. Mazzard Cherries were offered in the market, and the red Canada Plums were tolerably plenty; but not a cultivated Strawberry, or Raspberry, or Blackberry, or a Grape fit to be eaten could be had for love or money. And as to Peaches, some of us will remember, at the first exhibition of our Society, that some half a dozen plates of the most miserably woolly Frost Peaches were all that Worcester could produce in that line. And, moreover, we were dependent almost entirely upon foreign contributors and wild Flowers for a very passable show in our Floral Department.

What a change you have wrought in the last twenty years, through the efforts of your Society, we need not describe. It is familiar to you all. The superabundance of the most luscious fruits which load our tables and crowd our market, and the profusion of beautiful flowers which ornament our gardens and dwellings, all testify to the success which has crowned your labors. You have done a great, a noble work, not only in supplying the wants but in cultivating and greatly improving the taste of the whole community. We have no reason to fear any competition of our respected and venerable neighbor, the Agricultural Society; we would rather bid them God speed in their

ambition to rouse up the farmers to a higher and better cultivation of the luxurious and ornamental.

Theirs is the farmer's institution, designed specially for this useful and honored class. Let them bring in their Apples and Vegetables, and if they have any of the finer Fruits and Flowers, worthy of a premium, as some of them undoubtedly have, let them exhibit them also and take the awards of their own Society. They fairly and honestly belong to them; and their success need be no disparagement to the progress of our own Society.

We have accomplished much in our line, and without vanity or boasting, may congratulate ourselves and the community on what we have already achieved. But our work is not yet done. There is a vast field for improvement yet open before us; let us not cease from our labors till we have attained higher and more fruitful results.

The continued prosperity and usefulness of our Society must depend, of course, upon the exertions and fidelity of its own members. The honor of taking the premiums of our Society should be esteemed vastly higher than that of taking them from the institution of our neighbors, whose efforts are directed almost exclusively to the coarser productions of the farm, and only secondarily to the finer products of the garden. Common courtesy, ever, as well as profession and prestige, would seem to forbid the professed horticulturist from entering the lists with the farmers, to take from them, as he certainly would, the inducements offered by their Society for improving their orchards and their gardens.

From the above and various other considerations, your Committee are unanimously and decidedly of the opinion that it would not promote the interest or the welfare of our Society to unite our exhibitions with the Agricultural Society at their Hall. We believe it would be repugnant to the feelings and tastes of most of those who have contributed most constantly and freely to our shows, and of those, also, who have graced them by their presence during our seasons of exhibition, to abandon our own beautiful, and commodious, and easily accessible Halls, and transfer our shows to a place wanting in all those facilities and attractions with which we are now so highly favored. It would deprive us of all those social and happy reunions which have been so highly prized, and have never failed to add pleasure to instruction.

We appeal, therefore, to the members of this Society to maintain the high character it has attained, and trust that no inducement, certainly not the offer of a few more pieces of silver, will cause them to withhold their best contributions from our tables at our Autumnal Exhibitions. The Committee propose to the Trustees the adoption of the following resolution:

Resolved, That the Worcester County Horticultural Society continue to hold their Annual Exhibitions, as heretofore, at their own Halls.

WILLIAM WORKMAN, Chairman.

WORCESTER, March 6, 1861."

NOTE: The question arising upon the acceptance of this Report, a discussion ensued as to the general policy of the Society, in which Messrs. D.

Waldo Lincoln, Francis H. Dewey, O. B. Hadwen, Benjamin Butman, Samuel H. Colton, Dr. William Workman, Emory Banister and George Jaques (Chairman), participated. Whereafter it was, upon motion of Francis H. Dewey, Esq., *unanimously*

"*Voted*, That the Worcester County Horticultural Society continue to hold their Annual Exhibitions, as heretofore, at their own Halls."

Could higher praise be ascribed to our late venerable associate than that his advice, given A. D. 1861, approves itself applicable, and equally wise, a full generation later! Like WALDO, and LINCOLN;* CHAMBERLAIN, and SALISBURY; HARRIS, and WHITIN; he had far exceeded the age allotted to man. October 17th, with mental faculties unimpaired, in his Eighty-eighth year, he fell into the sleep that knows no waking.

This Society was ever chary in the bestowal of its distinctions, and the list of our *Honorary* Members is singularly brief. Of those thus placed upon our roll originally, but one or two remain among the living. The most eminent,—the venerable President of the American Pomological Society,—survives in perennial vigor and usefulness. May he long endure! crowned with laurels and saluted by the plaudits due to one whose whole life has been a benefaction!

Whom none knew but to love,
None named, but to praise.

With this solitary exception, not one of those named was more distinguished than that of CHARLES DOWNING. Your Secretary was favored with his friendship; and has—now and then—all too infrequently—laid before you extracts from his inquiring and suggestive letters. It will not be taking up too much of your time to ask your attention to the subjoined affecting and appropriate notice, by Marshall P. Wilder, of his life-long associate in all good Pomological effort:

"Charles Downing was born at Newburg, N. Y., July 9, 1802, and died at his home, in that city, January 18th, 1885. His death is to me a most afflictive event. We were associated together for nearly half a century in efforts to advance the Pomology of our country. Succeeding, as he did, his brother, A. J. Downing, whose eulogy it was my sad duty to pronounce thirty-two years ago, he became the

* Levi.

editor of the 'Fruits, and Fruit Trees of America,' all the editions of which have been dedicated to my name from the first. These circumstances have drawn us more and more closely together by the ties of affection and friendly regard. As a pomologist, he was world-renowned for his knowledge, accuracy, and good judgment, and as such had a longer experience than any other man of whom I have any record in this or any other country. His books will ever be precious memorials of good fruits and good men; of a life whose great object was to make others happy in the enjoyment of the beauties and bounties of creation, and which has been a blessing to our world.

For more than a generation, he edited the 'Fruits and Fruit-Trees of America,' first written by his brother forty years ago. With the progress and expansion of pomology, this work grew under his hand to such an extent that he might well have claimed to be the author; yet, with characteristic modesty, he preferred to lay his laurels upon his brother's grave. This encyclopædic work, in its many successive editions, is now the authority in regard to the multitude of fruits described in it."

Mr. Downing esteemed it an honor to be affiliated with our Society. He took a lively interest in all our proceedings, and was prompt to note any mention of new fruits, or unfamiliar varieties; invariably writing to solicit information concerning them, or to obtain grafts if they could be had true to name. In that particular, he was very exacting; doubtless realizing that at his extreme age, he had no time to waste in cultivating the false or fraudulent. It will be no violation of confidence, in this connection, to insert one or two of his letters, manifesting as they will the interest that he took in our local concerns:

"*Newburg, N. Y., Feb.* 28, '83.

Edward W. Lincoln, Esq.:

Dear Sir.—

Since the sad accident and sickness my memory has failed me considerably, and I have forgotten whether I acknowledged the receipt of the Transactions of the Worcester County Horticultural Society for 1882; and if not, please accept my cordial thanks for your kindness. I have derived much pleasure and information in the reading of it, and trust the members and others will find it profitable reading and test its value by practice.

I notice, on page 32, the Dawson Apple, which is new to me; and if grafts are to be had, I will thank you to send me 2 or 3 stout, strong, cuttings by mail, for trial here. But if you have none, and know who has, please give me his address. I have the Transactions

of the Worcester County Horticultural Society, from 1852, to 1882, except 1877, 1878, 1879, and 1880, and, if there are any spare numbers of those years, I would be very thankful to receive them.

Very respectfully,

CHAS. DOWNING."

Again:

"*Newburg, N. Y., Jan.* 29, '84.

EDWARD W. LINCOLN, ESQ.:

Dear Sir.—

Please accept my cordial thanks for the Transactions of the Worcester County Horticultural Society for the year 1883. I have been very much interested and instructed in reading the report, and wish all the Pomologists and fruit-growers in the country would read it.

I am pleased with Appendix 'B'—Exempted property. Why should it be exempted when the poor man or woman who owns a small house worth $300 or $500 is taxed the full amount or nearly so! When a rich church goes free, of course the tax has to be made up by the general tax-payers, rich and poor, which adds to their tax and which robs them of their just rights. All kinds of property should be taxed according to its value;—then each would pay their just proportion.

Wishing you good health, a long, useful, and happy life,

I am very truly yours,

CHAS. DOWNING."

"I am still suffering from the injury I received by the cars in New York City, some fifteen months since. My bruised back is still stiff and painful, so much so that I have but little use of it, and can only walk a few rods at a time."

His sufferings are at an end. But the monument which he builded and, by a pious fraud would have consecrated to the memory of his brother, shall endure in his own honor, forever.

"The sweet remembrance of the just
Shall flourish when he sleeps in dust."

One of our resident Clergy,—of acute perceptive and cultivated taste,—was moved, not long since, upon the occasion of a funeral service commemorating a National Sorrow, to the following apt deliverance:—

"Horticultural Hall is swiftly becoming the gallery of the City's honored dead."

Could the Society be lauded with a higher compliment? Contemplate the series, imperfect as it is (and, if it must needs

be completed by death, it is to be hoped it may long remain so deficient!) from WALDO—the thoughtful founder, to SALISBURY,—our latest and most munificent benefactor! What one of our associate Members need be ashamed to show our Hall? To point to those almost speaking features; to recall each public or private career,—cycles as it were, of diligent, faithful, uninterrmittent usefulness! Upon the farm, or in the council chamber; by the busy marts of trade, or upon the judicial bench; filling the highest places of the Commonwealth, or engaged in equally honorable, and perhaps more arduous, civic administration; where were they not found ready at call and ever equal to the emergency! The writer is one who has thrilled at the story,—half fable, half history,—of Camillus and Cincinnatus;—those strong Terræculturists of old, whose ploughshares were of necessity swords;—alike ready at the behest of the Seasons or the imminent need of the Republic. And therefore he cannot wonder that the elder Lincoln;—fresh from the patriotic counsels that secured Louisiana, and affirmed the American Republic; should turn for diversion from those classic studies whereof he was so fond, and be found active in the organization of the Worcester Agricultural Society! Later,—when well-earned competence brought with it the prospect of a comfortable and serene old age,—is it surprising that Daniel Waldo applied himself to lay broad and deep the foundations of our own Worcester County Horticultural Society; which, without his careful and timely provision, would scarcely have survived its first decade! One and all filled the full measure of their opportunities,—heaped full and running over. Nay, they created those opportunities, often; never sparing themselves when the gratuitous lecture, or the timely editorial, might avail to awaken attention and foster inquiry. So that we may well appropriate for them the epitaph upon *Sir* Christopher Wren; and to him who would ask what hath Earle and Colton, Jaques, or Ripley, wrought at seed-time or harvest; in the bud, or at entire fruition;

"Si quæris monumentum, circumspice!"

Perhaps we may never possess the portraits of William Lincoln, or Christopher C. Baldwin,—the pioneers of local

MASSACHUSETTS AGRICULTURAL COLLEGE

floriculture and pomology; it may be out of our power to depict the benignant features of Oliver Fiske—*primus inter pares*;—but it will be the easiest thing in the world to complete that gallery, so happily commenced. Nor, for the fulfilment of this purpose, will it be necessary to withhold from the Boussoc, the Pumpkin Sweeting, or the Marigold, their meed of surpassing merit. A steady pursuance of the policy, heretofore initiated by the Committee on Library and Publication, of making at least one addition, annually, to the portraits upon our walls, will achieve much. The Committee hope to estimate promptly and properly, what should devolve upon the Society to accomplish. Should it be their good fortune to be made the recipients of other benefactions, like some that have so recently enriched you and graced this Hall; they will still crave and solicit, so long as one of our worthies continues unportrayed, or a single panel remains vacant.

"Cast thy bread upon the waters; for thou shalt find it after many days!"

The effort of the writer, to trace the origin or early history of this Society, as disclosed in a brief correspondence with the late *Hon.* Stephen Salisbury, was narrated in his Annual Report for 1884. More vivid light is thrown upon the obscure past by Louis A. Maynard, Esq., the record of whose own indefatigable personal service is so conspicuous upon the pages of our published Transactions. Mr. Maynard was one of our local pioneers in improved pomology; and his expression of holy horror at an intimation by the late *Gov.* Bullock, that he proposed to ingraft upon the Bosc, still occasions a quiet chuckle in Horticultural circles. Mr. Maynard writes *calamo currente*:—

WORCESTER, *September*, 1885.

EDWARD W. LINCOLN, ESQ., *Secretary, &c.*

Dear Sir.—I have read in your last Horticultural Report, 1883–4, the correspondence between yourself and the late Hon. Stephen Salisbury.

Your question,—who was the originator,—the father of the Horticultural Society, I can answer directly and truthfully; and show Mr. Salisbury's "*impression*" to be a *reality*. I go back to the period of 1838, or near thereto. William Lincoln was, at that time, the

owner of the old Lincoln Homestead Farm, on Lincoln Street, which he carried on, through a tenant. The evening before one of the Agricultural Exhibitions, I walked out to his house with him. He got a lantern, lighted it up, and then got a handle basket, and we crossed Lincoln Street into the lot Easterly of the Street, then a large mowing-lot and a portion of it considerably covered with Apple-trees. I held the lantern, while he picked apples enough for two large dishes, or plates, which he carried aback with him to his office that evening. The next morning he put them in the Town Hall, now the City Hall with its extensions, on exhibition. The Hall, at that time, was occupied, one portion for the products of the dairies; and the other, and much the larger, by the ladies, for their great display of fancy needle-work.

Subsequently, he drafted a brief paper, the purport of which was the formation of a Horticultural Society, and he himself, in person, called upon many of the principal householders of Main Street, and its adjoinings, for signatures for membership.

There is a class of persons in this world who seem to be imbued with a sort of personal magnetism. They attract men to them. They soften down prejudices, measurably harmonize conflicting opinions, and lead men to the accomplishment of great results. William Lincoln was, emphatically, of this class. His kind and genial manner, and his ever readiness to do any one a kindness, if in his power, attracted men to him; and with a feeling to do him a kindness, if within their power.

He quietly, but efficiently, continued his work, till the Worcester County Horticultural Society was legally organized and established. And he lived, and lived only, to see it make an earnest and vigorous beginning, when, after a brief illness, he passed from this world, in "*his manhood's early prime*," deeply and sincerely mourned by all who knew him.

"*Men die; but their works live after them.*"

The Worcester County Horticultural Society, now an honor to the City and County of Worcester, the work of William Lincoln, lives, and his name should be forever associated with its history and honored in its annals.

Sincerely and truly, yours,

L. A. Maynard,

30 Clifton Street.

Our Fiftieth Anniversary is fast drawing nigh, and it will be well for those, who may survive to manage its celebration, if they possess themselves of all attainable information upon the

facts of the first conception and youthful life of a Society that now yields precedence to none in wholesome vigor and general usefulness.

All which is respectfully submitted,

by

EDWARD WINSLOW LINCOLN,

Secretary.

Horticultural Hall,

Worcester, Massachusetts,

November 4, A. D., 1885.

REPORT OF THE LIBRARIAN.

To the Members of the
Worcester County Horticultural Society:

Your Librarian respectfully submits the following report for the year just closed. The number of Books and Periodicals taken out during the year is 357. The number read and consulted in the Library room is probably twice as many, no accurate account having been kept of such. It is not necessary for me to say to the members of this Society that your Library is a very valuable one. From a very small beginning this Library has gradually increased till now its books and periodicals number more than 2,000. Many of its books are elegantly bound, beautifully and profusely illustrated and necessarily costly, and which could not be replaced, if, by accident of fire or otherwise, they should be destroyed.

But little has been done the past year in the line of binding. There is real need of more book-cases for volumes already bound, therefore your Library Committee have thought best to defer operations in binding until more shelf-room is provided.

The additions to the Library during the year by purchase or gift are as follows:

Cyclopædia of Practical Floriculture; by Mrs. C. H. Turner; Society.

Index to "The Garden" from 1871 to 1881; Society.

Report of the Crops of the year and of Freight rates of Transportation Companies, Dec., 1884; Henry Phelps.

An Investigation of the composition of American Wheat and Corn; Henry Phelps.

The Northern Sugar Industry. A record of its progress during the season of 1883; Henry Phelps.

The Soils and Products of Southern Louisiana; Henry Phelps.

Report of the organization and management of Seven Agricultural Schools in Germany, Belgium and England; Henry Phelps.

The Proper Value and Management of Government Timber Lands; Henry Phelps.

The Climate, Soil, Physical Resources and Agricultural Capabilities of the State of Maine; Henry Phelps.

Report of Observations and Experiments in the practical work of the Division made under the direction of the Entomologist; Henry Phelps.

Modern Forest Economy; by John C. Brown; E. W. Lincoln.

Pine Plantations in France; E. W. Lincoln.

Forests and Moisture, or Effects of Forests on Humidity of Climate; by John C. Brown; E. W. Lincoln.

Observations in regard to Insects injurious to the Apple; Mass. Agr. Station.

Notes upon Insects injurious to Farm and Garden Crops; Mass. Agr. Station.

Observations in regard to the vitality of the seeds of various weeds, and the causes of certain diseases of Grasses; Mass. Agr. Station.

Notes on feeding experiments with Corn Ensilage; Mass. Agr. Station.

Notes on feeding experiments with Gluten Meal as a constituent of the daily diet of Milch Cows; Mass. Agr. Station.

Notes on feeding experiments with Pigs; Mass. Agr. Station.

Fodder and Fodder Analyses; Mass. Agr. Station.

First Annual Report of Mass. State Agr. Station.

Transactions of the Hingham Agricultural and Horticultural Society; year 1884; Frances H. Lincoln.

Revue Horticole; 1884; Society.

The Journal of the American Agricultural Association; Vol. 1; H. Phelps.

Annual Report of the Commission of Public Grounds for 1884; E. W. Lincoln.

Vols. 7 and 8 of Reports of Agriculture.

Planting Trees in School Grounds and the Celebration of Arbor Day; Bureau of Education.

City School systems in the United States; Bureau of Education.

Catalogue of the Microscopical Exhibit of the U. S. Department of Agriculture at the World's Industrial and Cotton Centennial Exposition, New Orleans; 1884, 1885; William Saunders.

A report of Exhibits illustrating Agricultural Statistics at the World's Industrial and Cotton Exposition at New Orleans; by J. R. Dodge; William Saunders.

A Descriptive Catalogue of the Grasses of the United States,

including especially the Grass collections at the New Orleans Exposition; by Dr. George Vasey, Botanist of the Department of Agriculture, Washington, D. C.; William Saunders.

Le Jardin Fleuriste; 4 Vols.; Society.

L'Illustration Horticole; 23 Vols.; Society.

Fruit Culture; 1885; by W. G. Strong; Society.

Five Acres too much; Society.

Tenth Anniversary of the North Brookfield Railroad; T. C. Bates.

The Sugar Industry of the United States; by H. W. Wiley.

Teachers' Institute Circular; No. 2; Bureau of Education.

Treatise on Silos and Ensilage; by Dr. J. F. Boynton.

Report on the Condition of Growing Crops; Department of Agriculture.

Report of the Worcester Schools; 1884; Supt. Marble.

The Special Characteristics of Tornadoes, with special directions for the protection of life and property; Signal Office.

Report of the character of six hundred Tornadoes; Signal Office.

The Michigan Horticulturist, a monthly Publication; Society.

The American Florist; Society.

Gardening Illustrated; 1885; Society.

Vick's Monthly Magazine; 1885; Society.

The Garden; 1885; Society.

The Gardener's Chronicle; 1885; Society.

The Agricultural Gazette; London; 1885; Society.

The American Agriculturist; 1885; Society.

The Gardener's Monthly; 1885; Society.

The Country Gentleman; 1885; Society.

The Massachusetts Ploughman; 1885.

The Worcester Directory; 1885.

All which is respectfully submitted.

CHARLES E. BROOKS,

Librarian.

Hall of Flora,

November 4, 1885.

REPORT OF THE TREASURER.

CHARLES E. BROOKS, *Treasurer*,

In account with the

WORCESTER COUNTY HORTICULTURAL SOCIETY.

1885.

Nov. 1.	To Cash on hand Nov. 1, 1884,	$1,588	83
	" for rent of Stores 1 year,	3,100	00
	" " " " Hall,	3,102	21
	" " new Members,	23	00
		$7,814	04

EXPENDITURES.

By Cash paid Premiums, 1884,		$1,602	00
" " James Draper as Judge,		68	00
" " H. F. A. Lange as Judge,		68	00
" " E. W. Lincoln, salary,		400	00
" " C. E. Brooks, "		1,000	00
" " Extra Labor, carting rubbish, and sundry items,		242	40
" " City of Worcester, Taxes,		480	53
" " " " " Metered Water,		69	67
" " Insurance,.		267	00
" " Worcester Gas Light Co.,		252	80
" " Library, portrait, &c.,		298	75
" " Interest,		164	30
" " Printing and Advertising,		250	63
" " F. W. Wellington, Coal,		74	65
" " Boston and Sandwich Glass Co.,		61	96
" " New-England Telephone Co.,		40	25
" " Henry L. Parker,		57	20

By Cash paid	Strauss Brothers,	$29 50		
"	" J. S. Perkins, Painting Roof,	14 64		
"	" S. P. Bond, Evergreen,	17 70		
"	" O. S. Kendall & Co.,	11 80		
"	" Sundry small bills,	74 55		
			$5,546	33
	Balance on hand Nov. 4, 1885,		2,267	71
			$7,814	04

CHARLES E. BROOKS,

Treasurer.

Hall of Flora,

November 4, 1885.

Worcester County Horticultural Society.

Hall of Flora. *Worcester, Mass., 14th Sept.*, 1885.

H. L. Parker, Esq.:

My Dear Sir.—

Why not write out your impressions gathered at the late Session of the American Pomological Society? Write them out while they are still fresh in your memory. I doubt not that they would prove a source of pleasure and instruction to your associates in our local Society. I can most certainly speak for myself.

Believe me, sincerely,

Edward Winslow Lincoln,
Secretary.

Worcester, Mass., Oct. 28, 1885.

Edward Winslow Lincoln, Esq.:

Dear Sir.—

In response to yours of Sept. 14th, I herewith enclose a transcript of my observations and impressions at the late biennial session of the American Pomological Society at Grand Rapids.

Most sincerely yours,

Henry L. Parker.

REPORT OF THE DELEGATE TO THE AMERICAN POMOLOGICAL SOCIETY.

The selection made by the American Pomological Society of a place for its biennial session of 1885 was the occasion of much surprise and comment.

An eminent Englishman on his way to these shores for the first time, after what seemed to him an interminable voyage, gravely enquired of the steamer's captain, "Do you not think it possible, Sir, that you have sailed *past* America?" When your delegate was first commissioned to represent this Society at the Convention at Grand Rapids, and had started to fulfil his mission, his idea of the location, size and importance of that place was quite as nebulous as the English Tourist's conception of the geography of this country. Nor was this nebulous state of mind unshared by other delegates. The sleeper attached to a lumbering freight-train, and progressing at the rate of twelve miles an hour, which drew us westward from Detroit, was full of malcontents, demanding in terms more terse and vigorous than polite, larded well with expletives withal, why the back-woods of Michigan should have been selected as the assembling place of a Society of national membership and national importance.

But when we arrived at this seeming Ultima Thule all misgivings vanished—or were changed rather to astonishment and delight. We found Grand Rapids a charming and thriving city of fifty thousand inhabitants—with large first-class hotels, churches and public buildings, rivalling in costliness and taste, those of eastern cities, rejoicing even in what Worcester has long sighed for in vain—a magnificent Government building. A noticeable feature was the school-house of model architecture

and convenience, with school-house yard laid out in lawns and flower beds, with concrete-walks, and planted with shade-trees and evergreens. We found evidences of taste and refinement all about us, in the well kept lawns and elegant dwellings of Queen Anne style, in which the eastern portion of the city abounded.

The scenery was unsurpassed in beauty. Mr. Barry, the presiding officer of the convention, declared that the view of the city from the bluffs—lying as it does on either bank of the Grand river, which, with its broad and rapid current, intersects the valley of some half a mile in width—would alone repay each delegate for the trouble and expense of his journey.

The character of the population was no less surprising than the evidence of thrift and worth. They were an intense people. There were no dudes; no dilettanti; no loafers at the street corners; no idle gazings or questionings. Every man you met was on the "qui vive"—civil and courteous but intent upon the business in hand. There seemed to be no poor people—no poor quarters. Everybody was apparently well-to-do. All the dwellings however humble presented a neat and tidy appearance.

Such was our place of meeting. And when the Convention assembled and the work began, the wisdom of selecting such a locality was soon apparent. It was in the first place in the heart of the great apple and fruit-growing region of the Northwest. The State of Michigan has, within the last one or two decades, been making quiet and almost unnoticed but rapid strides, not only in wealth and population but in the importance of its agricultural and mineral products. From the twenty-sixth State in the Union in point of population it has risen to be now the ninth. In the production of iron and copper ore and in the manufacture of salt and lumber it is the first in the United States. In the raising of fine blooded horses it outranks every other State not excepting Kentucky. Only three other States raise more sheep. Only three other States produce more wheat. Only seven other States have more capital invested in manufactures.

But notwithstanding this wonderful development of mineral and agricultural wealth, fruit-growing is destined to be, if it is

not already, a paramount interest. The soil of Michigan is admirably adapted not only to the apple but to the grape and small fruits of every kind and variety as well.

In the felicitous language of President Angell in his welcoming address—"It must be confessed that Nature has been very gracious here to the fruit-grower. She has furnished him a rich, warm and mellow soil which seems made for orchards, vineyards and gardens. She has surrounded this fair peninsula with the great lakes, which not only encircle her as a zone of beauty and furnish her a highway for commerce, but which also temper her atmosphere by their genial warmth in winter and cooling breath in summer. Though occasionally we suffer from a severe winter like the last, as a rule the friendly lake upon the west draws the sting from the tail of the fiercest Dacotah blizzard and shelters our fruits up even to the northern extremity of the lower peninsula. In no State east of the Rocky mountains can delicate fruits be grown in so high latitudes as this. During most of the year breezes soft as those of Eden woo the peach, the grape and the pear, and coax them to rejoice us with the autumnal splendor of their fruitage. A drive through any of the western counties at any time from June to October will delight the eye with a view which rivals that in the fabled garden of the Hesperides. If we have not Paradise we have at least a charming suggestion of it."

The following statistics show that these bountiful gifts of Nature—a generous soil and genial climate—have been duly improved:— In 1883 the whole State of Michigan produced for the market, besides home consumption, 199,952 bushels of peaches. In 1884, 5,000,000 bushels of apples. In 1885, 200,000 bushels of small-fruits. It has 241,000 acres of apple orcharding and 14,600 acres of peaches.

The State Horticultural Society had made special efforts to secure a good display of fruit and the result more than justified its expectations. Vice-President Barry said of it: "The exhibit is a wonderful one—worthy of a week's study. It is especially valuable since so many western fruits are displayed. We have had many larger, none so instructive."

The Michigan State display numbered, it was said, two

thousand plates of apples, while the local displays of apples, pears, grapes and peaches from different counties in the State largely swelled this number. There were also one hundred plates of wild-fruits, nuts, &c., indigenous to Michigan, exhibited by Prof. Bailey of Lansing Agricultural College. Ellwanger & Barry exhibited one hundred and ten varieties of pears; Marshall P. Wilder one hundred varieties; B. G. Smith of Boston sixty-one varieties; Geo. W. Campbell of Ohio twenty-six plates of grapes and forty of apples. Missouri was represented by one hundred and forty plates of apples, pears and grapes. The Ohio State Board of Agriculture presented a fine collection of the same fruits. There were twenty-eight plates of fruits from Texas. The Horticultural possibilities of Minnesota were indicated by twenty-eight varieties of seedling crabs. And there were plates of oranges, Japan persimmons, and collections of cocoa-nuts, figs, sugar-cane, pomegranates, pears, sweet potatoes, peanuts, cotton and corn from different localities in the South.

The sessions of the Society were held in a large and well-lighted church, of good acoustic properties and free from noise or disturbance. It was announced at the opening of the session that no excursions; no banquetings had been planned; in order that nothing might interrupt or interfere with the business of the Convention; that the Michigan members esteemed it a great privilege as well as honor that the Society had consented to hold its Convention there, and they wished to make the most of so grand an opportunity for instruction in Pomological science.

In the absence of the President, Marshall P. Wilder, Patrick Barry of Rochester was made the presiding officer.

Welcoming addresses were made by the Mayor of the City, by T. T. Lyon, President of the Michigan Horticultural Society, and by President Angell of the State University.

Among the notable persons present were Norman J. Coleman, United States Commissioner of Agriculture; Dr. C. E. Bessy of the State University, Nebraska; Prof. J. C. Arthur of the New York Experiment Station at Geneva; Prof. W. R. Lazen by of the Ohio Agricultural Experiment Station; Peter Gideon of Excelsior, Minnesota, the veteran Pomologist of that State and the pioneer of the Northwest in the organization of new varieties of

hardy apples; T. V. Munson of Denison, Texas, the grape enthusiast; and Geo. W. Campbell of Delaware, Ohio, also a veteran in grape culture; Parker Earle of Illinois, one of the Commissioners, and in charge of the fruit department at the New Orleans Exposition; Dr. F. M. Hexamer of New York, and Prof. A. J. Cook of the Michigan State Agricultural College.

The discussion of new fruits with which the business of the Convention commenced, began with, and for obvious reasons lingered long upon, the Apple, and the crucial test of every variety named, was its hardiness. The havoc made in apple orchards in all the States west of the lakes, by the severity of last winter, has made this an indispensable requisite to all growers in those localities. The testimony of all the delegates from those States was unanimous upon that point. In Minnesota, even the Oldenburg, which has hitherto been considered iron-clad, was killed. Mr. Gideon said that the thermometer with him at Excelsior, Minnesota, had gone as low as 49° below zero. One delegate stated that he had cut from his apple orchard two hundred and fifty cords of dead wood. Among the new apples which received favorable notice was the Yellow Transparent. It was pronounced a hardy apple, better than the Early Harvest and earlier; Mr. Chase of Pennsylvania had received several hundred reports and considered it the coming early apple.

Of the new hardy apples originated by Mr. Gideon the most promising were the Excelsior, the Martha, and the Gideon.

The Excelsior is from the seed of the Wealthy, of light yellow color, striped with bright red, of best quality, season September.

The Martha is from the seed of the Oldenburg—a great bearer—a little below medium in size, a bright glossy yellow in color, shaded with light bright red—very fine for all culinary purposes—season from October to November.

The Gideon is supposed to be a cross between the blue pearmain and a crab. It resembles the blue pearmain.

The Phaler is an apple of the Yellow Transparent order—about six days later—eatable about the 25th of July.

The Salome was thought to be a valuable apple—season from January to March.

The Mann apple originated in Otsego—is a very vigorous fine grower—best cooking apple in its season—will keep as long as the Roxbury Russet.

Other apples favorably mentioned were Jacob's Sweet, the Northwestern Greening, Kellogg Russet, Somerset, which originated in Somerset, Maine—a great bearer.

The Low, also one of Mr. Gideon's apples—first-class in quality—very early—an enormous bearer and an upright grower.

Professor Budd said of the Longfield apple—"that it was adapted to the whole country from the Atlantic to the foot-hills of the Rocky mountains—its color is yellow with a blush—keeps through winter till February or March—has given such perfect satisfaction that it should be noticed—quality like the Fameuse and equally as good."

The testimony as to the Tetofsky was that it is earlier than any other apple of Russian origin—rather tart—ranks with the Red Astrakan and the Oldenburg.

The Wealthy is the first of the Gideon apples—Mr. L. C. Fairbanks of Michigan says "the Wealthy will take the place of the Snow—is one of the best of the early winter apples."

Of the new varieties of Grapes those most favorably mentioned, were the Empire State, the Niagara, Ulster Prolific, B. F. Hayes, and Early Victor.

The Empire State is not yet upon the market. It is a white grape, a cross of the Hartford Prolific with the Clinton, originated by Ricketts of Newburg, N. Y., now owned by Pratt Bros. of Rochester. Mr. Campbell of Ohio says of it—"The Empire State is a circumstance in the way of improvement—have raised it for three years and tested it in various ways, and am satisfied it is as healthy in foliage as the Concord and as hardy—and it is of fine quality. I should class it pretty nearly very good—not foxy—resists mildew."

The Niagara, it was thought, would prove a popular market grape. Mr. Rogers of New Jersey placed it on a par with the Concord in health, but some of the Southern members complained that in their section it was subject to rot.

Mr. Smith of Mass. said of the Hayes Grape:—"Known it for 11 years—always received with favor—prime quality. All

in Mass. have a high opinion of the grape—perfectly hardy—very prolific—week earlier than the Concord—seedling of the Concord—best white grape—free from mildew."

Mr. Campbell thought it not so vigorous as the Concord. Mr. Manning of Mass. said "that last year it had mildewed."

The Early Victor is a strong grower—better in quality than the Concord—no mildew or rot—earlier than the Concord.

Shaffer's Colossal Raspberry was the only variety of Raspberry coming under discussion and worthy of mention. It was called one of the strongest growers, productive and one of the best—more hardy than Cuthbert—very large.

W. C. Strong says "it is good in Massachusetts although its color is against it."

Mr. Bennett of Grand Rapids said "he preferred it to any one berry for home use."

Dr. Hexamer said "if people could eat it with eyes shut it would be a splendid berry."

Mr. Streeter of Ohio pronounced it the best berry for home use.

Of the Strawberry no special mention of new varieties was made.

Parker Earle said of the Crescent, "that he preferred it to any other berry for the markets, fertilizing it with the Sharpless."

Mr. Fox of Mich. stated "that he had planted the Manchester fertilized with the Wilson and that he had raised twice the quantity that he had from the Wilson—and the Manchester brought better prices."

Mr. Harrison of N. Y. remarked "that he had always found long-necked strawberries a mark of excellence."

Mr. Patrick Barry gave a short but interesting account of the Apple Congress he had attended in England since the last biennial session of the Society. He stated that there were collections from every district in England, and in all, 4500 named plates—the largest collection that had ever been made—that they were sadly in want of a proper nomenclature in England. Names like the following were common, viz: "Old Tom," "Cabbage," "Bloody Bill," "Curl Tail," "Fat Ox," "Pig's Nose." There were twenty varieties beginning with the prefix

"Lord"—thirty with "Old." Five were named Sheepsnose with some qualifying adjective. During the present Autumn a Pear Congress was to be held under the same auspices.

The most important feature of the Convention were lectures from the Professors of certain of the Agricultural Colleges and Experiment Stations, and the able papers presented by different members of the Society to whom special topics had been assigned.

Notable among these was the lecture of Prof. Bessy on "Injurious Fungi," and the papers of Prof. Arthur on "Pear Blight," of A. J. Fuller of New Jersey on the "Influence of Pollen," and T. V. Munson of Texas on "Grapes." The paper of Mr. Munson was the result of years of experiment and patient investigation. He treated the subject from a scientific standpoint, making a classification which has never been attempted before in so thorough a manner. The importance of thorough breeds in fruits as well as in animals was shown, and suggestions made as to how they are to be produced. It was shown that only through the practice of the principles of evolution can this result be reached. A tabulated list of over 150 varieties of grapes giving common and botanical name, growth, hardiness, vine characteristics, diseases, and description of fruit was annexed to his paper. This table contains over 3000 separate facts. The specific outlines of our native grapes was shortly given, with their adaptabilities to soil, climate, &c. The most important species for experimentation were noted. The great importance of stamen characteristics and the beneficial results following a knowledge of the same by the practical grower as well as the experimenter. The effects of crossing and hybridizing were considered.

Mr. Barry said "that the paper was in his judgment the most valuable and important which had ever been presented to the Society on that subject." Mr. Campbell of Ohio pronounced it exhaustive. Of the other lectures and papers I annex to this report such brief abstracts as I have been able to make.

The Convention was harmonious throughout its entire session, and its proceedings interesting to an absorbing degree, so much so, that on different occasions, motions to adjourn for meals were

lost again and again, and the session prolonged far beyond the usual hour. Mr. Barry is a most admirable presiding officer, combining in a rare degree dignity and decision of character with urbanity. His thorough knowledge of every aspect of pomological science as well as his acquaintance with all the prominent members and the history and transactions of the Society from the beginning enabled him to keep the business well in hand—and it might truly be said that few Conventions of a like nature were ever held where less time was wasted. It was the unanimous verdict that the Convention had been a wonderful success. Members who had been present at nearly all the meetings of the Society since its foundation, declared that at no meeting they had ever attended had the papers presented been of a higher order or the discussions and other proceedings more instructive.

HENRY L. PARKER.

APPENDIX A.

Abstract from paper of Prof. J. C. Arthur on "Pear Blight:"

The experiments on which the address was based have been carried on at the Agricultural Experiment Station at Geneva, N. Y., during the last two years. The first work in this line of investigation was done by Prof. Burrill of Illinois, who showed by many experiments that the disease may be introduced into healthy branches of the pear-tree by transferring a minute particle of diseased tissue or the viscid substance accompanying the disease to the healthy branch. He also found that germs or bacteria were an invariable accompaniment of the disease. The experiments at Geneva corroborated this.

The inoculation was soon found to be as certainly conveyed when a drop of water was used which had been in contact with diseased pear wood and had taken up some of the germs as when the exudation or diseased tissues were used. The disease so introduced in healthy tissues showed itself by the blackening of the bark in about a week on an average. It was found to grow the best in the most succulent tissues, such as the tips of young shoots, and especially in unripe fruit. It progresses through the limbs most rapidly in the warmest weather but is not killed by cold, being able to make a slow growth all winter.

Mode of Attack—Experiments to learn the manner in which the germs enter the pear-tree were at first unsuccessful. Diseased branches tied into a tree of healthy growth did not communicate the disease. Apparatus arranged to draw air across diseased branches and then over healthy ones, gave no results. A potted pear-tree was watered for over a month only with water filled with the germs of the disease and still remained healthy. An arrangement to permit a slow dripping of water containing the germs upon very young pear growth did, however, succeed in conveying the disease to healthy tissues. It was observed the present spring that an English hawthorn had blighted badly. The short spurs on the sides of the limbs bear clusters of flowers and it was observed that these flowers on the blighted limbs had made no growth since the time of opening, although it was the latter part of June and the unblighted limbs had the fruit two-thirds grown. The germs of the disease had evidently entered through the flowers a full month previous, and had only recently been conspicuous by the dying of the leaves. But many of the twigs were dead where there were no flowers; here the germs had evidently entered through the tenderest tissue of the growing tip and progressed downward, as was shown by the end leaves being dryest and apparently longest dead.

Growth of the Germs Outside of the Tree—It had now been shown

that the diseased germs enter the tree through the tenderest tissues at the ends of the branches and in the flowers, usually in early spring, but where the germs come from had not yet been discovered. The first trial was to learn if the germs would thrive outside the living tissues of the tree. A nutritive solution was made by boiling some corn meal in water and using the colorless liquid. A particle of blighted pear twig was introduced into such a solution and in one to two days at ordinary room temperature the whole liquid was filled with the germs. It was also found that they would grow in hay tea, made by boiling hay in water, and in various other things, including barnyard manure, although not very vigorously in the last. It now became evident that the course of the disease is usually something like this: The germs in a diseased tree escape to the surface in the sticky exudation, they are washed free of the gum surrounding them by the rains, drop to the ground and multiply indefinitely in decaying vegetable substances either beneath the trees or in marshy or wet places at a distance. Here they may pass the winter and even live for several years. They are borne into the air when dry by the winds, or are carried up by evaporation. Being so extremely minute they may be borne through the air for great distances and coming in contact with the moist surface of tender twigs or the centre of the flower, find entrance to the tree and again produce the disease.

Proof that a specific germ causes the disease.—So far it has been assumed that the germs accompanying the disease are the cause of it. The attempt was now made to prove rigidly that such is accurately true. It will be remembered that the disease was communicated by inoculating with the diseased juices washed out with water. It is evident therefore that the disease must be due to one of two things: either to the germs or to the juices which accompany them. The first attempt was to separate the germs from the juices about them. This was done by a succession of cultures. A small drop of water containing pear-blight germs was introduced into some corn meal solution in which all life had been killed by boiling it. The germs increased by growth and filled the liquid, the juices accompanying, not being living matter, did not increase but were diffused through the whole liquid, and so greatly diluted. A small drop of this culture was introduced into a fresh solution of corn meal; the germs multiplied and filled the liquid, while the very small part of the original diseased juice, which had been introduced with the germs, was again greatly diluted. Again, a drop from this culture was transferred to a fresh preparation, and so on through six cultures. From the last culture a drop was put into growing pear tissues, three months from the time the germs were taken from the tree to start the first culture, and the disease was produced in the usual form. By this means the germs had been kept alive by constant growth, while the juices accompanying them had been so enormously diluted as to be practically absent. The attempt was now made to show that the juices of the disease by themselves could not produce the disease. This was done by filtering out all germs from an infusion made by slicing up diseased twigs in water, by passing it through a fine porcelain jar, such as are used for

electrical batteries. The juices thus obtained, free of all germs, in no case produced disease when inoculated into healthy tissues. The proof was therefore absolute that the germs only were the cause of the pear blight.

It was now necessary to show whether any kind of germs would cause blight, or whether there is but one specific kind. For this purpose inoculations were made in pear-trees as before, using the germs from rotting tomatoes, from various kinds of decay, etc. In no case was there any disease produced. Several questions were asked the professor which received immediate and intelligent answers.

APPENDIX B.

Abstract from paper on "The Influence of Pollen," by A. J. Fuller of New Jersey:

In 1859 I commenced to raise strawberries from seed, partly for the purpose of producing new varieties, but principally to test certain theories then frequently discussed relative to the value of the pistillate varieties. The late Wm. K. Prince of Flushing, N. Y., claimed that the pistillates were and ever continued to be the most productive owing to their unisexual character. This theory was certainly a very plausible one, but unfortunately it did not hold good when tested in the field and basket. In conducting my experiments during the year named and several succeeding ones I cultivated some of the most noted of the pistillate and staminate varieties known at that time. Among the former I may mention Hovey's Seedling and Prince's Scarlet Magnate. The latter was quite a large variety, being very regular in form, nearly globular or slightly compressed, bright scarlet, flesh white, firm, not high flavored, but good. The Hovey is so much better known that I need not refer to its peculiar characteristics.

In cultivating these and other pistillate varieties I employed various staminates to supply the necessary pollen for fertilization. When I used the Boston Pine, a staminate variety, also raised by Mr. C. M. Hovey, to fertilize the flowers of the Scarlet Magnate and Hovey's Seedling, I was unable to see that the pollen had any marked influence upon the size or color of the berries, probably owing to close relationship and great similarity of color and form of all three varieties; although at the time I imagined, even if it was not really a fact, that the Hovey was less acid when the flowers were supplied with pollen from the Boston Pine than from such very acid varieties as the

Wilson's Albany. But when I employed such a distinct male variety as the Peabody for supplying the pollen the effect upon the size and form of the berries was very marked and readily seen. The long neck and deeply ribbed or coxcomb shape of the Peabody were characteristics that would be readily transferred by fertilization if any can be, by such a process. By employing varieties like the Peabody and Triomphe de Gand to supply pollen for such pistillates as those named, the influence can readily be seen to extend far beyond the seed, as we know theoretically that it must, but perhaps rarely noted, because in ordinary horticultural operations we do not seek scientific truths with as much zeal as we do marked values and profits. It is to be presumed that every practical horticulturist must have observed that where pollenation fails in the strawberry, the receptacle or fruit upon which the seed rests or in which it is imbedded fails to enlarge or continue growth, and if all the pistils of the flower escape pollenation, not only the entire fruit withers away, but also the flower-stalk, even down to the very roots of the plant. I refer now to pollenation as distinct from fertilization, and use the term as an equivalent of cohabitation in the animal kingdom, which does not necessarily extend to or result in impregnation. Simple pollenation may cause a responsive action, resulting in the ripening of the pistil, and yet the effect of the pollen may fall short of actual fertilization, hence the frequent occurrence of false or imperfect seed among all of our cultured fruits, and sometimes, but less rarely, among the wild ones.

I became so fully convinced at the time referred to, that the influence of the pollen in the strawberry did extend, under favorable conditions, so far beyond the seed that it often changed the form, color and flavor of the fruit that I referred to the subject in the *Small Fruit Culturist*, published in 1867, pages 44 and 45, and from which I beg to copy a paragraph or two, as some of our horticulturists appear to have overlooked what I said on the subject at that time. In speaking of the usual practice of planting staminate and pistillate varieties in alternate rows, I said: "I would suggest whether it is not possible that variations may have been made on growing plants by the influence of the pollen from the different varieties. It is generally supposed that no effect is produced except on the seed, but as it is most conclusively proved in animal physiology that the female retains the effect of the first impregnation in her system for years, may not the same be true of plants, and the admixture or deterioration of one, and the improvement of another kind growing in close proximity be caused by the absorption of qualities each from the other." After referring to the effect of non-pollenation of the pistils I said further: "If the strawberry seed was large enough to be readily examined we should probably see a difference in color and form, just as we notice in mixed varieties of corn. In the latter we can see that the influence of cross-fertilization extends further than the seed, because its receptacle (cob) is often changed beneath the kernel to a color similar to that of the variety which produced the pollen." About the time I wrote the "Strawberry Culturist," 1862, I called the attention of several of my acquaintances to this subject of the influence of the

pollen on the quality of the fruit, and their reports were so uniformly in accord with the results of my own investigations that I felt warranted in writing the following paragraph in addition to those already quoted, to wit: "It is often asserted that the Hovey is better when fertilized with one kind than with another, and may not this be true, further than that of being fully supplied with pollen?"

Since making my first experiments for the purpose of determining the influence of the pollen on the strawberry, I have observed many instances of changes in the color, form and flavor of other kinds of fruits as well, which as it appeared to me were directly traceable to the influence of pollen, although it must be admitted that with our improved cultivated fruits we must expect an occasional reappearance of ancestral characteristics which may mislead us in attributing certain results to a fictitious cause. Still, when a branch of an apple-tree generally producing fruit with a smooth skin bears russet apples and we can find no other cause for the change but the close proximity of a tree bearing russets we are inclined to believe that pollen has had something to do in producing the change observed. Because similar or like results are not produced every year only indicates that self-fertilization is the rule with the flowers of such fruits as the apple, and it is only when the pollen of a particular branch or whole tree is less potent than that on a neighboring one that cross-fertilizing occurs.

I doubt not that every observing practical member of the American Pomological Society can call to mind many such instances of cross-fertilization among our larger cultivated fruits as well as among garden vegetables, especially with melons and squashes, for with the latter the influence of the pollen is more readily seen to extend beyond the seed than with such small-fruits as the strawberry.

That our vegetable physiologists have given us very little information on this subject is not at all strange, for very few of them have ever had their attention drawn to it; and furthermore, the extent of the influence of pollen must be studied in the field and garden and not in the laboratory or with dried plants and fruits.

In a few of the more recent works of vegetable physiologists it is admitted that the influence of the pollen extends to the entire formation of what is commonly called the fruit. Julius Locke, in his "Text-book of Botany," edition of 1882, page 495, says: "The increase in size of the ovary, which is frequently enormous (in curcurbita, cocus, etc., several thousand times in volume), shows in a striking manner that the results of fertilization, especially in the carpels, placentæ and seeds; but very frequently similar changes result also in other parts. Thus, it is the receptacle that constitutes the fleshy swelling which is called the strawberry, on the surface of which are seated the small true fruits." Also, on page 594: "But sometimes the long series of deep-seated changes induced by fertilization extends also to parts which do not belong to the ovary, and even to some which have never belonged to the flower." Among the plants so affected he mentions the fig, strawberry and mulberry.

Then again, page 900, he says: "The process of development brought about by fertilization or the union of the reproductive cells is

usually not confined to the resulting embryo, but shares itself also in a variety of changes in the mother plant itself."

This is what I claim to have seen in conducting my experiments with the strawberry a quarter of a century ago—*i. e.*, the influence of the pollen extended not only to the seed and fleshy receptacle or fruit, but to the fruit, stalks and the entire plant. Further investigations in the same direction have only confirmed my convictions in regard to the influence of the pollen reaching so far beyond the seed as to affect the fruit sufficient in many instances to change size, form, color and even the flavor.

In ordinarily practical operations it may not be of any great importance, but every fact in regard to such matter is of value in the hands of those who seek to know something of cause and effect in the cultivation of plants.

APPENDIX C.

Abstract of Address by Norman J. Coleman, United States Commissioner, before the Pomological Convention :—

I thank you, gentlemen, for the compliment you have paid me by inviting me to address you. I came to this meeting to acquire information. I knew I should meet the advanced thinkers, the progressive agriculturists and horticulturists, of the nation. In the addresses and discussions before the society I thought I should gather information that would be useful to me in my official position, and I have not been disappointed. Horticulture is but a higher branch of agriculture. As farmers advance in intelligence and refinement they naturally pay more attention to the culture of fruits and flowers, and to the adornment of their homes. Being by profession, as well as by taste and inclination, a horticulturist, in accepting the official position which I hold I felt anxious to do all in my power to aid and advance our growing horticultural interests. I believe I am the first person who has been placed at the head of our agricultural interests who has been a practical horticulturist, and during my term of office I am anxious to do what I can to promote them. I want your assistance, your encouragement. Suggestions from you will always be welcome and have careful consideration.

I have already put new machinery to work in aid of the horticulturist and agriculturist. Appreciating the heavy annual losses sustained by our fruit-growers and farmers by the rusts, mildews, and blights which affect their crops, I appointed, soon after taking my

office, Prof. Scribner, who was very highly endorsed as a botanist, to make a specialty in the study of Fungi in plants, and he is giving to this subject his entire attention. The members of this society can greatly aid him in the work in which he is engaged. Any information relating to this subject sent to the department will be thankfully received, and any questions that may be asked or knowledge sought will receive attention. I feel that this is a most important field for investigation, and the attention which has been given to this subject by this meeting confirms the wisdom of the course I have pursued in giving this matter special attention. Another subject that I have given considerable thought is the collection of horticultural statistics. Nothing has been done by the department in the collection of information regarding fruit crops. The condition and production of grain crops are carefully reported, but who can tell of the quantity or quality of our fruit crops? Who knows whether there is an over or under production of apples the present year from any official source? The value of our apple crop—that is, the crop that is marketed—cannot be less than thirty millions of dollars. In Michigan alone it is estimated to be over one million of dollars. Apples have a commercial value like other crops, and so have many other fruits, and I shall endeavor in the future to devise some means to collect statistics relating to them. Indeed, I think there ought to be a pomological or horticultural division connected with the agricultural department, and nothing but the lack of funds prevents me from establishing it at once, and I may yet find some means of doing so. As most of you are aware, last June I called a convention of the representatives of the agricultural colleges and experimental stations for the purpose of forming close relations between the department and these institutions—making the farms of these colleges the experimental grounds of the department. The convention was a great success, and the objects sought were accomplished. Hereafter the fruits, seeds and plants, whether collected in this country or from abroad, will be distributed to the different agricultural colleges and tested, and those which are found valuable can be distributed in the respective States in which they are located. I have already commissioned Mr. Leo Weltz, of Ohio, to collect seed fruits and plants from the great steppes of Russia, and he is now engaged in that duty. I hope for important results from this mission. Prof. Budd and Prof. Gibb accomplished a great work for the Northwest by the introduction of valuable fruits from that country, but they were far from being satisfied, and they have faith that Mr. Weltz will be instrumental in doing a good work for this country. But, gentlemen, I will not detain you longer. I want to say, however, that I am but your agent, your servant, in the work I am doing. I want not only your aid, but your sympathy, your support. I feel that I have a great responsibility resting upon me, but with your generous assistance I hope to be able to discharge my duties to your satisfaction and to the satisfaction of the American people. There has never been a time when more intelligent work was needed to be done by the American farmer than now. With insect foes almost innumerable, with blights and mildews

and rusts, with over-production staring us in the face, it is only the intelligent, the progressive, the industrious, that will succeed. The laggards will be left behind.

APPENDIX D.

Abstract of lecture of Prof. A. G. Cook, of Michigan State Agricultural College, on "Economic Entomology:"

The lecturer had displayed on the stage five charts illustrating the different kinds of insects and their growth from the egg and larvæ to the perfect insect. Prof. Cook was introduced by C. J. Monroe of South Haven, the acting-president, and said in substance: The major part of the insects who were so destructive of plant life worked either entirely at night or was so hidden in the soil that the husbandman was not able to discover them. Every vegetable or fruit tree fed a great number of different kinds of insects. The lecturer showed by statistics how much the country lost every year by the ravages of insects. The known amount of damage in money done last year was $2,000,000, and the unknown damage was probably as much more. The number of species of destructive insects was increasing every year, and the problem of warring against them was becoming more and more important. A large number of these insect pests were very formidable because as a rule they had no bird foes in this country. A study of insect life showed that they changed their tastes and habits and in time they left one plant and attacked another. As soon as they destroyed one kind of vegetable or fruit they fed on some other. This showed that eternal vigilance was the price of good harvests. A few years ago California was absolutely free from injurious insects, while now that State is infested as much as any other. All insects had their foes and the reason why these scourges came often in epidemics and stopped as suddenly was that these foes to insect life were working all the time. A knowledge of these insect foes, both natural and artificial, was absolutely necessary to the farmer and fruit-grower. A knowledge of the habits and life of insects was also necessary so that the best means of exterminating the pests could be learned. Experimenting on the different ways of getting rid of insects should be encouraged and money should be expended in carrying on experiments. Economic Entomology should be studied by all persons who expect to succeed in fruit-growing and farming.

ROLL OF MEMBERS

OF THE

WORCESTER COUNTY HORTICULTURAL SOCIETY.

By the term "Date," it is meant to comprise all the accessions of members from the original foundation of the Society. Where no numerals appear in that column, it is to be understood that the members, opposite whose names there are no figures, were entered upon the Roll of the Society previous to and coeval with the "List of Members," which was published in the "Transactions of The Worcester County Horticultural Society for the years 1852 and 1853."

Those members whose names are marked with a star (*) are dead.

A.

Date.	*Name.*	*Residence.*
	Adams, R. W.	Barre.
	Aldrich, Paine*	Worcester.
	Allen, W. E.*	"
	Allen, Rev. George*	"
	Allen, Hon. Charles*	"
	Allen, Samuel*	"
	Allen, James Frank	"
	Armsby, J. M. C.*	"
	Angier, Roswell P.*	Toledo, Ohio.
	Allen, Silas*	Shrewsbury.
	Allen, Lucius S.*	Worcester.
	Allen, Jonas H.	Shrewsbury.
	Allen, Asa H.	"
	Allen, Rev. Joseph*	Northborough.
	Adams, Otis*	Grafton.
	Armsby, Lewis	Northbridge.
	Allen, Rev. T. P.*	Sterling.
1855	Allen, Alvan*	Worcester.
1855	Allen, Mrs. Mary Ann	"
1856	Allen, Benj. D.	"
1859	Aldrich, P. Emory	"
1866	Adams, George A.*	"
1866	Allen, Mrs. Charles L.*	"
1867	Adams, John C.	"
1867	Armsby, Miss Ella A.	"
1867	Armsby, George F.	"
1870	Abbott, Ebenezer E.	"
1870	Andrews, S. C.	"
1871	Allen, Miss Lizzie G.	"
1872	Ames Edwin	"
1876	Adams, John	"
1879	Arnold, Samuel A.	"
1880	Abbott, Rogers A.	"

B.

Date.	*Name.*	*Residence.*
	Bancroft, Timo. W.*	Worcester.
	Boland, Tobias*	"
	Bickford, William M.*	"
	Bigelow, Lewis*	"
	Bradley, Osgood*	"
	Bowen, George*	"
	Burnside, Saml. M.*	"
	Bancroft, Charles P.	"
	Bullock, Alexander H.*	"
	Brown, Albert*	"
	Barton, Hon. Ira M.*	"
	Brown, William*	"
	Barbour, William C.	"
	Blood, Oliver H., M. D.*	"
	Barnard, Ebenezer L.*	"
	Boyden, Joseph*	"
	Bowen, Ebenezer H.*	"
	Bigelow, Walter*	"
	Ball, Richard*	"
	Bartlett, Stephen*	"
	Barrows, William	"
	Burbank, John G.*	"
	Bates, George A., M. D.*	"
	Bowen, Charles*	"
	Bigelow, Walter, Jr.*	"
	Breck, Moses T.*	"
	Buffum, Benjamin	"
	Berry, Zebina E.*	"
	Bates, H. G.	"
	Barton, William S.	"
	Barnard, John*	"
	Baylies, A.*	"
	Brooks, A. J.	Harvard.

B.

Date.	Name.	Residence.
	Burbank, James L.*	Worcester.
	Barker, William*	"
	Bond, Joseph*	"
	Bond, Jeremiah E.	"
	Banister, Emory	"
	Blake, James B.*	"
	Bancroft, Mary C.	"
	Banning, E. M.*	"
	Butman, Benjamin*	"
	Butman, Sarah L.	"
	Bigelow, Walter R.*	"
	Beach, Lucius	"
	Briggs, Joseph*	"
	Blood, Mrs. O. H.	"
	Bigelow, Charles*	Grafton.
	Brigham, E. L.	"
	Barnes, Artemas*	Berlin.
	Bisco, Dwight*	Leicester.
	Bottomly, Thomas*	"
	Bottomly, Booth*	"
	Brummett, Luke*	"
	Burr, Heman M.*	"
	Brooks, John*	Princeton.
	Banks, Thomas S.	Brookline.
	Boynton, John*	Templeton.
	Bowman, Charles D.*	Oxford.
	Boyd, John*	Shrewsbury.
	Burt, Ellis*	Douglas.
	Batcheller, Elhanan*	Sutton.
	Bowman, Joseph*	New Braintree.
	Ball, D.	Spencer.
	Biscoe, Thos. C.	Grafton.
	Brigham, Charles	"
	Bates, Joseph N.*	Worcester.
	Babbitt, Pliny H.	Barre.
	Buckley, William T.*	Worcester.
	Bond, Thomas	North Brookfield.
	Burrage, Leonard	Leominster.
	Banister, Mrs. Emory*	Worcester.
1853	Burbank, George G.*	"
1853	Barnard, George A.	"
1853	Bangs, Mrs. Mary G.*	"
1853	Bemis, Merrick	"
1855	Billing, Aaron*	"
1855	Brooks, J. H.	"
1855	Boyden, John	"
1855	Bentley, Geo. W.	"
1855	Bryant, Mrs. E.	"
1856	Bigelow, George C.*	"
	Butman, George F.*	"
1858	Bull, Trumbull*	Grafton.
1859	Brown, Alzirus	Worcester.
1859	Ball, Phinehas	"
1860	Barnard, Mrs. E. L.	"
1860	Batchelder, Ezra D.*	N. Brookfield.
1862	Barton, George S.	Worcester.
1863	Burgess, Daniel S.	"
1863	Brown, Mrs. Jonas	Wilkinsonville.
1863	Bertody, Miss M. F.	Leicester.
1864	Barber, Miss Ruth E.	Worcester.
1864	Brown, Jonas*	Wilkinsonville.
1864	Brooks, Mrs. Chas. E.	Worcester.
1864	Banister, Miss Emma	"
1864	Burbank, Asa L.	"
1864	Barber, George	"
1865	Barber, Mrs. George	"

B.

Date.	Name.	Residence.
1865	Baker, Zephaniah	Worcester.
1865	Bigelow, Luther H.*	"
1865	Bent, Charles M.	"
1865	Brown, George A.	"
1865	Burbank, Mrs. George G.	"
1865	Burbank, Miss Carrie A.	"
1865	Burgess, Mrs. Danl. S.	"
1865	Bancroft, Mrs. Mary M.	"
1865	Bacon, Mrs. John E.*	"
1865	Barnard, Miss Caroline*	"
1865	Boyden, Elbridge	"
1866	Boswell, Mrs. Annie E.	"
1866	Bennett, Mrs. Sarah F.	"
1866	Brimhall, Silas J.	"
1866	Baker, Jacob	Dudley.
1866	Baker, Mrs. Jacob	"
1866	Barrows, A. Herbert	Worcester.
1866	Bennett, James	Leominster.
1866	Bachelor, Charles O.	Northbridge.
1866	Bachelor, Mrs. Chas. O.	"
1866	Belcher, Charles	Worcester.
1866	Brown, Miss Josie E.	Wilkinsonv'le.
1867	Ballard, John S.	Worcester.
1867	Bradley, Mrs. Osgood	"
1867	Barton, Mrs. Margaretta L. K.	Worcester.
1867	Bacon, John E.*	"
1867	Baker, Mrs. Z.	"
1867	Bigelow, Mrs. Luther H.*	"
1868	Bowker, Sewall H.*	"
1870	Baldwin, John S.	"
1870	Barber, Miss Isabella G.	"
1870	Bullock, Mrs. Alex. H.	"
1870	Bartlett, Mrs. Theodore H.*	"
1873	Barbour, Miss M. Jennie	"
1870	Bullock, Augustus G.	"
1870	Bullock, Miss Isabel H.	"
1870	Bullock, Miss Fanny	"
1871	Bush, William	"
1871	Bush, Mrs. Isaac	"
1871	Brown, Thomas	"
1871	Blake, Fred. A.	"
1872	Buck, Mrs. H. B.	"
1872	Bigelow, James W.	"
1872	Ballard, Harry	"
1874	Ballard, Edgar	"
1874	Brimhall, Mrs. Silas J.	"
1874	Bassett, D. H.	"
1874	Bruso, Elizabeth F.	"
1874	Bennett, A. H.	Holden.
1876	Bowker, Mrs. S. H.	Worcester.
1876	Ballou, A. A.	Grafton.
1871	Bemis, Daniel W.	Worcester.
1879	Brooks, Charles E.	"
1880	Ball, Rev. George S.	Upton.
1881	Blood, Jefferson L.	Worcester.
1882	Brooks, Walter F.	"
1882	Baldwin, Charles C.	"
1882	Babbitt, William E.	"
1883	Brierly, Joseph	"
1883	Brastow, James B.	"
1884	Blake, Mrs. C. L.	Rochdale.
1884	Bennett, Miss Carrie E.	Worcester.
1884	Brooks, Rev. Arthur A.	"
1884	Bartlett, E. A.	Shrewsbury.
1885	Bancroft, Isaac A.	Worcester.

C.

Date.	Name.	Residence.
	Clark, John F.*	Worcester.
	Chandler, George	"
	Child, Benjamin N.*	"
	Colton, Samuel H *	"
	Chase, Anthony*	"
	Chapin, Lewis*	"
	Chamberlain, Thomas*	"
	Chickering, C. C.	"
	Chamberlin, Henry H.	"
	Coe, William*	"
	Conant, Edwin	"
	Chapin, Charles P.*	"
	Chenery, Horace*	"
	Coes, Loring	"
	Comins, D. B.*	"
	Chaffin, T. M.	"
	Curtis, Tyler P.	"
	Chapin, Henry*	"
	Colton, Mrs. S. H.	"
	Chase, Mrs. Anthony*	"
	Canfield, Mrs. P. S.	"
	Cross, William*	"
	Clark, William C.	"
	Culver, J. S.*	"
	Coes, Aury G.*	"
	Curtis, Albert	"
	Conklin, Henry W.*	"
	Champney, Samuel P.*	Grafton.
	Coleman, Charles C.*	Worcester.
	Cook, David W.	"
	Clark, Henry O.*	"
	Chamberlain, George A.*	"
	Cutting, Jonathan*	Templeton.
	Clapp, John*	Leicester.
	Craig, Leonard*	"
	Cheney, Leonard	Southbridge.
	Capron, William C.*	Uxbridge.
1854	Canfield, Miss P. W. S.	Worcester.
1855	Carter, Rufus	"
1855	Conant, Mrs. Elizabeth*	"
1855	Conant, Miss Elizabeth*	"
1856	Champney, Preston A.*	Sutton.
1856	Champney, Samuel G.*	"
1856	Champney, Susan A.	"
1857	Chase, William M.	Worcester.
1858	Chapman, Isham S.*	"
1862	Clark, John S.	"
1863	Crompton, George	"
1863	Comley, James	"
1863	Chase, Nehemiah B.	Wilkinsonv'le.
1863	Cross, Courtland H.	West Warren.
1863	Crane, Hosea*	Millbury.
1863	Clapp, Silas*	Worcester.
1864	Cushing, Rev. S. A.*	Shrewsbury.
1864	Cook, Sumner	Worcester.
1864	Currier, Augustus N.	"
1864	Chandler, Miss Fanny	"
1864	Chamberlin, Susan E.*	"
1864	Cook, Nathaniel H.	Bristol, Conn.
1865	Cutter, Calvin, M. D.*	Warren.
1865	Cook, William W.	Worcester.
1865	Curtis, Mrs. Joseph*	"
1865	Clapp, Mrs. Simeon	"
1865	Coes, Frank Loring R.*	"
1865	Chase, Charles A.	"
1865	Chase, Mrs. Charles A.*	"

C.

Date.	Name.	Residence.
1865	Clapp, Frederick A.	Worcester.
1867	Chamberlain, Mrs. Geo. A.	"
1867	Chase, Joseph*	"
1867	Claflin, John*	"
1867	Clarke, Josiah H.	"
1868	Coe, George F.	Grafton.
1869	Chase, Albert N.	"
1870	Cruickshanks, Geo.	Whitinsville.
1870	Chapin, Miss Annie T.	Worcester.
1871	Chapin, Mrs. Louisa	"
1872	Carpenter, L. S.	"
1872	Chamberlin, Mrs. H. H.	"
1872	Colton, Mary R.	"
1873	Chaffin, Oscar	"
1873	Church, Moses	"
1875	Coulson, John	"
1875	Chester, Miss Katie D.	"
1875	Cruickshanks, Mrs. Mary E.	Whitinsville.
1876	Coes, Mrs. F. L. R.	Worcester.
1876	Clark, George H.	"
1878	Colton, Samuel H.	Auburn.
1878	Coes, Chester E. B.	Worcester.
1879	Currier, Elizabeth Dickinson	"
1881	Copeland, Amasa A.	"
1883	Curtis, Mrs. James P.	"
1884	Cook, Herbert A.	Shrewsbury.
1884	Comins, Edward I.	Worcester.
1885	Chase, Mrs. H. M.	"

D.

Date.	Name.	Residence.
	Davis, Hon. John*	Worcester.
	Draper, William A.*	"
	Dorr, Enos*	"
	Darling, Loron	"
	Dickinson, William	"
	Davis, Hon. Isaac*	"
	Dewey, Francis H.	"
	Davis, John C. B.	"
	Darling, H. G.	"
	Draper, Edwin*	"
	Day, Jonathan*	"
	Davis, Samuel	"
	Daniels, F. H.*	"
	Dresser, George A.	"
	Dyer, Calvin	"
	Dunbar, Rufus D.*	"
	DeWitt, Hon. Alexander*	Oxford.
	DeWitt, Horace S.*	"
	Dowley, Levi A.*	"
	Davis, George C.*	Northborough.
	Daniels, Nathan*	Leicester.
	Denny, Henry A.	"
	Denny, Joseph A.*	"
	Denny, Nathaniel P.	Norwich, Ct.
	Denny, George*	Westborough.
	Dodge, Harvey	Wilkinsonville.

D.

Date.	Name.	Residence.
	Drake, Simeon A.	Sturbridge.
	Denny, Reuben S.*	Leicester.
	Davis, Henry G.	Millbury.
1854	Denny, Charles A.*	Leicester.
1854	Dwinnell, Leonard*	Millbury.
1854	Dana, John A.	Worcester.
1855	Daniels, George F.	Oxford.
1858	Dudley, P. Whitin*	Whitinsville.
1859	Dodge, Pickering*	Worcester.
	Dixie, Edmund F.*	"
1864	Desper, William E.	"
1864	Dadmun, Appleton*	"
1865	Dewey, Mrs. Sarah B.	"
1865	Dewey, Carrie Clinton*	"
1865	Dewey, Rosebud	"
1865	Davis, Edward L.	"
1865	Dodge, Thomas H.	"
1865	Dyer, Mrs. Calvin	"
1865	Dyer, Miss Hattie L.	"
1865	Dodge, Mrs. Benjamin J.	"
1866	Driscoll, Dennis*	"
1867	Draper, James	"
1867	Draper, Mrs. James	"
1867	Draper, Mrs. Edwin*	"
1869	Davis, Alfred	"
1869	Dudley, George J.	Sutton.
1869	Dutcher, Frank J.	Hopedale.
1870	Dawson, Thomas A.	Worcester.
1870	Drury, Arthur H.	"
1871	Davis, Joseph E.	"
1873	Dawson, Mrs. Thomas A.	"
1875	Dana, Mrs. John A.	"
1881	DeLand, Mrs. E. H.	"
1883	Darling, William	"

E.

Date.	Name.	Residence.
	Earle, Edward*	Worcester.
	Estabrook, James*	"
	Earle, John Milton*	"
	Earle, Mrs. Sarah H.*	"
	Earle, Mrs. Edward	"
	Earle, Timothy K.*	"
	Earle, Oliver K.*	"
	Earle, Thomas*	"
	Estey, James L.	"
	Earle, Anna B.	"
	Estabrook, Joseph*	Royalston.
	Edwards, John F.	Boston.
1855	Estabrook, James E.	Worcester.
1858	Eldred, Frederick A.*	"
1859	Estabrook, G. W.	Grafton.
1862	Eames, William	Worcester.
1864	Eames, Miss Mary R.	"
1864	Ellsworth, Emory A.	Barre.
1865	Estabrook, George H.	Worcester.
1865	Estabrook, Daniel F.	"
1865	Earle, Miss Sarah F.	"

E.

Date.	Name.	Residence.
1866	Earle, Stephen C.	Worcester.
1866	Eastman, Miss Emma	"
1867	Estabrook, Mrs. George H.	"
1867	Emerson, Mrs. Jason*	Millbury.
1867	Eaton, Thomas B.	Worcester.
1867	Eaton, Mrs. Charlotte M.	"
1868	Ellsworth, Samuel*	"
1868	Eaton, Charles B.	"
1871	Earle, William H.	"
	Estabrook, Arthur E.	"
1873	Ellsworth, J. L.	"
1874	Earle, Mrs. Wm. H.	"
1872	Eastman, William H.	"
1881	Eames, Luther R.	"

F.

Date.	Name.	Residence.
	Foster, Alfred D.*	Worcester.
	Fisher, Maturin L.*	"
	Fox, Lemuel J.*	"
	Flagg, David*	"
	Foster, Samuel B.*	"
	Fox, William B.*	"
	Flagg, Joel*	"
	French, Hiram*	"
	Flagg, Benjamin*	"
	Fuller, Elisha*	"
	Fox, William B. Jr.*	"
	Freeland, Charles W.*	"
	Flagg, Samuel, M. D.	"
	Flagg, Marshall*	"
	Field, John*	"
	Fitch, Ezra*	"
	Foster, Hon. Dwight*	"
	Fox, Miss N. Jane	"
	Flagg, Montraville	Boylston.
	Flagg, Nahum	"
	Forbush, Calvin W.*	Grafton.
	Forbush, Curtis	California.
	Fitch, Dana H.*	Leicester.
	Flagg, Abijah*	Boylston.
	Flagg, Stephen*	"
	Flagg, Benjamin*	Shrewsbury.
	Fairbanks, Orrin	Westborough.
	Felton, Oliver C.	Brookfield.
	Fay, Peter	Southborough.
	Forbush, Jonathan*	Bolton.
1854	Farnum, Joseph S.*	Worcester.
1855	Falconer, James D.	"
1856	Foster, Stephen S.*	"
1857	Ferguson, Samuel B.	Westborough.
1858	Ferguson, George A.	"
1859	Ferguson, Henry C.	"
1863	Firth, Abram	Boston.
1863	Foster, Adams*	Holden.
1863	Flint, Mrs. E. H.*	Leicester.
1863	Fayerweather, John A.	Westboro.
1863	Fiske, Edward R.	Worcester.

F.

Date.	Name.	Residence.
1865	Fiske, Mrs. Edward R.*	Worcester.
1865	Farnum, Miss Ann Eliza	"
1865	Farnum, Miss Mary J.	"
1865	Fox, Miss Annie R. S.*	"
1866	Fuller, Mrs. James A.	"
1866	Francis, George E., M. D.	"
1866	Fisk, Miss Lydia C.	"
1866	Foster, Miss Alla W.	"
1866	Fox, Miss Maria	"
1867	Field, Samuel T.*	"
1867	Flagg, Mrs. Ebenezer	"
1869	Fisher, Simon E.	"
1870	Fisher, Mrs. Jennie M.	"
1871	Flagg, Mrs. Marshall	"
1872	Foster, Charles T.	Holden.
1874	Fitts, Mrs. D.	Oxford.
1874	Francis, Miss Elizabeth K.	Worcester.
1877	Fish, Henry C.	Worcester.
1881	Fish, Jonathan	"
1881	Fiske, David L.	Grafton.

G.

Date.	Name.	Residence.
	Green, John, M. D.*	Worcester.
	Gould, Hiram*	"
	Greenleaf, Frederick W.*	"
	Goodnow, E. D.*	"
	Goulding, Henry*	"
	Gates, Simon S.*	"
	Gould, Erasmus*	"
	Greenleaf, William*	"
	Gale, Frederick W.*	"
	Gilbert, Joseph A.	"
	Gates, John*	"
	Goddard, Isaac*	"
	Goddard, S. B. I.	"
	Green, James*	"
	Green, William N.*	"
	Green, Meltiah B.	"
	Gilbert, Peregrine B.	"
	Green, Samuel F.*	"
	Gorham, Chester*	Barre.
	Gray, John Jr.*	Worcester.
	Goodrich, Jesse W.*	"
	Gay, Wilkes	"
	Gregory, Joseph E.*	"
	Goss, William*	"
	Grout, Jonathan*	"
	Garside, James M.*	"
	Gill, George W.*	"
	Griggs, Joseph*	"
	Greenleaf, Sarah L.	"
	Green, Mrs. M. B.	"
	Greenleaf, Mrs. Maria J.*	"
1854	Goddard, Benjamin*	"
1854	Goddard, John D.	Shrewsbury.

G.

Date.	Name.	Residence.
1856	Greenleaf, Dolly A.	Worcester.
1856	Goddard, Silas	"
1859	Grout, J. Willie*	"
1860	Gleason, Charles W.	Holden.
1864	Green, Timothy Ruggles*	Worcester.
1864	Goodnow, Edward A.	Worcester.
1865	Goodell, Arthur A.*	"
1865	Goddard, Dorrance S.	"
1865	Gray, William L.*	"
1865	Gordon, Miss Elizabeth G.	"
1865	Gunderson, Christopher*	"
1865	Gilbert, Mrs. Chas. W.*	"
1865	Grout, Miss Lizzie	"
1865	Glazier, Henry	"
1865	Garfield, Moses D.	Millbury.
1866	Gorham, Miss Mary E.	Worcester.
1866	Geer, George*	"
1866	Geer, Mrs. George	"
1866	Gates, Otis A.	"
1867	Gleason, Jonathan R.	"
1867	Goddard, Mrs. D. S.	"
1867	Green, Miss Julia E.	"
1867	Gleason, Joseph H.	Holden.
1867	Gordon, Albert A.	Worcester.
1867	Gordon, Mrs. Albert A.	"
	Gerould, Mrs. James H.	"
1871	Green, Samuel S.	"
1872	Gilbert, Charles W.	"
1874	Gibbs, Mrs. Mary E.	"
1874	Goodwin, Charles	"
1879	Greenwood, Charles	"
1883	Gould, Abram K.	"
1883	Goddard, Mrs. Mary S.	"
1884	Gates, Harvelin T.	"

H.

Date.	Name.	Residence.
	Harris, Clarendon*	Worcester.
	Heard, Nathan*	"
	Hooper, William R.	"
	Heywood, Daniel*	"
	Heywood, Benjamin F.*	"
	Haven, Samuel F.*	"
	Howland, S. A.*	"
	Harrington, Samuel*	"
	Howland, Henry J.	"
	Hovey, William*	"
	Hill, Rev. Alonzo*	"
	Hamilton, Charles A.*	"
	Hadwen, Charles*	"
	Howe, Henry P.*	"
	Hammond, John*	"
	Harrington, F. Jr.	"
	Hawes, Russell L.*	"

H.

Date.	Name.	Residence.
	Hill, C. H.	Worcester.
	Harding, Samuel D.	"
	Hall, Enoch	"
	Hadwen, O. B.	"
	Hemenway, Edward H.*	"
	Hale, Rev. Edward E.	"
	Harlow, A. R.	"
	Hathaway, Samuel	"
	Hardon, Benjamin L.*	"
	Holmes, Pitt*	"
	Hill, J. Henry	"
	Hartshorn, George F.	"
	Hall, Franklin	"
	Harris, O. F.	"
	Hoar, George F.	"
	Hartshorn, Jonas*	"
	Hartshorn, Calvin L.	"
	Hadwen, Mrs. Mary R.	"
	Henderson, James G.*	"
	Harlow, Abner*	Shrewsbury.
	Heard, Samuel	Leicester.
	Henshaw, H. G.	"
	Hatch, Cheney*	"
	Holman, Parley*	"
	Haven, Luther*	Boston.
	Hill, Augustus G.*	Harvard.
	Hapgood, Lemuel B.*	Shrewsbury.
	Hunt, S. W.	"
	Holbrook, Cyrus	Sterling.
	Harrington, Stephen	Millbury.
	Harrington, D. B.	"
	Hall, Charles	"
	Hale, Moses	Harvard.
	Hale, William	Sutton.
	Heywood, Augustus	Grafton.
	Hastings, C. C. P.*	Mendon.
	Hill, Washington*	Spencer.
	Hartwell, Geo. W.	Oxford.
	Holman, Amory*	Bolton.
	Hubbard, R. B.*	Sunderland.
	Hastings, Solon S.	Princeton.
1854	Hacker, W. Alfred*	Worcester.
1854	Harrington, Adam L.*	"
1855	Harris, Mrs. Clarendon*	"
1856	Hartshorn, Mrs. Isabella F.	"
1858	Hunt, Francis W.	East Douglas.
1860	Hartshorn, John W.	Worcester.
1862	Heywood, Samuel R.	"
1862	Hall, Salmon D.	Grafton.
1862	Harris, Gideon*	Worcester.
1862	Harrington, Chauncey G.	"
1863	Heywood, William H.	"
1863	Hamilton, C. Willard	"
1863	Hammond, Parley*	"
1864	Huntington, Rev. Wm. R.	"
1864	Heywood, Miss Abby S.	"
1864	Hadwen, William E.	"
1864	Hadwen, Charles, Jr.	"
1864	Healey, Michael	"
1864	Howe, Mrs. E. M.	Sterling.
1864	Howe, William	Millbury.
1864	Hubbard, Cyrus K.	Worcester.
1864	Heywood, Miss Emma H.	"
1864	Hadwen, Miss Amie B.	"
1865	Hascall, Jefferson	Shrewsbury.
1865	Hill, Mrs. J. Henry	Worcester.

H.

Date.	Name.	Residence.
1865	Heald, Jonas	Worcester.
1865	Howe, Church	Holden.
1865	Hunt, Addison A.	Shrewsbury.
1865	Hemenway, Daniel M.	Millbury.
1865	Houghton, Alba, Jr.	Worcester.
1865	Harrington, Halloway	"
1865	Hamilton, Mrs. C. Willard	"
1865	Haven, Edwin*	"
1866	Hoyle, Miss Mary Ann	Millbury.
1866	Holbrook, William D.*	Worcester.
1866	Holman, Mrs. Henrietta A.	"
1866	Holbrook, Mrs. William D.	"
1866	Holman, Mrs. William Y.	"
1867	Hancock, Frederick	"
1867	Hartwell, Isaac B.	Oxford.
1867	Haskins, D. W.	Worcester.
1867	Hatch, O. L.	"
1867	Hatch, Mrs. O. L.	"
1867	Hutchinson, Gerry*	"
1867	Hutchinson, Mrs. Gerry	"
1867	Hapgood, L. R.	"
1867	Hillard, Mrs. John	"
1867	Harrington, Mrs. Stephen	"
1867	Harris, Mrs. Gideon	"
1867	Harrington, Frank W.	"
1868	Holman, William Y.*	"
1869	Hancock, Miss Etta	"
	Hammond, Mrs. Henry K.	"
1870	Hicks, Samuel P.	"
1870	Hapgood, Joab	Shrewsbury.
1870	Harlow, Wm. T.	Worcester.
1870	Harris, John A.	Rutland.
1871	Hamilton, Edward B.	Worcester.
1871	Hammond, Henry K.*	"
1871	Hamilton, Miss Fanny M.*	"
1871	Harris, Warren	Millbury.
1872	Hastings, Joseph E.	Worcester.
1874	Hartshorn, Mrs. C. L.	"
1874	Hovey, Charles H.	Cambridgeport.
1874	Hadwen, Mrs. O. B.	Worcester.
1875	Hackett, William H.	"
1880	Hixon, Adin A.	"
1880	Hixon, Mrs. A. A.	"
1880	Hall, Mrs. C. S.	"
1881	Houghton, C. C.	"
1882	Henderson, Mrs. A. E.	"
1884	Hoyt, Mrs. Henry A.	"

J.

Date.	Name.	Residence.
	Jaques, George*	Worcester.
	Johnson, Asa T.	"
	Johnson, Henry F., M. D.	"
	Johnson, Eli	"
	Jackson, William*	"
1854	James, Rev. Horace*	"
1854	Johnson, William*	"
1855	Johnson, Charles*	Northborough.
1855	Johnson, Joshua J.*	"

J.

Date.	Name.	Residence.
1855	Johnson, Oliver*	Sterling.
1856	Jaques, John C.*	Worcester.
1856	Jewett, Darwin E.	Westborough.
1865	Jones, Willard*	Worcester.
1867	Johnson, John F.	Northborough.
1867	Jones, Rev. J. D. E.	Worcester.
1867	Johnson, Ida W.	"
1867	Johnson, Wm. H.	Northborough.
1870	Jillson, Clark	Worcester.
1870	Jenkins, Curtis	Worcester.
1874	Jewett, Ebenezer	"
1875	Jaques, Benjamin C.	"
1880	Jones, Herbert A.	"

K.

Date.	Name.	Residence.
	Kettell, John P.*	Worcester.
	Kinnicutt, Thomas*	"
	Knox, Samuel A.	"
	Knapp, Joel	Sutton.
	Kilburn, Eli	Sterling.
	Kinnicutt, Francis H.*	Worcester.
	Kendall, Hon. Joseph G *	"
	Knights, Jonathan H.*	"
	Keith, Timothy*	"
1854	Kinnicutt, Eliza M.	"
1854	Kinnicutt, Rebecca N.	"
1857	Kent S. W.*	"
1858	Keyes, W. W.	West Boylston.
1865	Kimball, Mrs. Sarah A.	Worcester.
1865	Kelley, Dr. Francis H.	"
1866	Keyes, Charles A.	"
1866	Keith, Henry R.*	"
1867	Kraft, Michael*	Leicester.
1867	Kinney, Mrs. W. P.	Worcester.
1867	Kinney, Frank J.	"
1868	Knowles, Lucius J.*	"
1868	Knox, S. Harrison	"
1869	Kinney, Wm. P.	"
1870	Kendall, Edward	"
1870	Kinnicutt, Leonard P.	"
1873	Kinnicutt, Mrs. Francis H.	"
1875	Kendall, Mrs. George H.	"
1880	Kinney, Mrs. Ann M. F.	"

L.

Date.	Name.	Residence.
	Lincoln, William*	Worcester.
	Lincoln, John W.*	"
	Lincoln, Gov. Levi*	"
	Lakin, Ansel*	"
	Lovell, Joseph	"

L.

Date.	Name.	Residence.
	Leonard, Samuel S.*	Worcester.
	Lincoln, D. Waldo*	"
	Lincoln, Edward W.	"
	Lazell, Warren*	"
	Lincoln, William S.	"
	Lamson, William C.*	"
	Lonergan, Patrick	"
	Lincoln, Mrs. D. Waldo*	"
	Lincoln, Miss G. De V.*	"
	Lincoln, Miss Mary W.	"
	Lovell, A. Beaman	"
	Lincoln, Miss Frances M.	"
	Lamb, Josiah Q.*	Leicester.
	Loring, John	"
	Lamson, H. O.	West Brookfield.
	Leach, James	Westborough.
	Leland, Joshua W.*	Grafton.
	Longley, James	Boston.
	Lovell, Mrs. Mary E.	Worcester.
1854	Lee, David*	Barre.
1854	Lee, Henry A.	Worcester.
1854	Lincoln, William*	"
1855	Lamb, Edward*	"
1855	Lovell, Joseph C.	West Boylston.
1855	Lee, George H.	Barre.
1856	Lovering, Samuel F.*	Worcester.
1856	Lincoln, Levi, 2d	"
1859	Leland, Horace*	Sutton.
1860	Lincoln, Waldo	Worcester.
1861	Lovell, Albert A.	"
1863	Lovell, Addison	West Boylston.
1864	Lincoln, John Waldo	Worcester.
1864	Lincoln, Annie Marston	"
1864	Lincoln, Marian Vinal	"
1864	Lee, Mrs. Dorcas B.	
1865	Lincoln, Mrs. Kate Von Weber	"
1865	Lincoln, Marston	"
1865	Lewis, Benjamin	
1865	Lamb, Thomas M.*	"
1865	Lewisson, Louis	"
1866	Lovell, John D	"
1867	Lynam, Mrs. John	"
1867	Lamb, Mrs. T. M.	"
1868	Lincoln, Adeline Sever	"
1868	Lovell, Cyrus A.	"
1870	Lamb, Alice B.	"
1870	Lovell, Miss Abby M. W.	Boylston.
1870	Lincoln, Helen	Worcester.
1871	Loomis, H. F.*	"
1871	Lange, Hermann F. A.	"
1872	Lincoln, Pelham Winslow	"
1874	Lovell, Mrs. C. Augusta*	"
1874	Lincoln, Mrs. William S.	"
1874	Lincoln, Mrs. Levi	"
1874	Lovell, Mrs. Jane M. W.	Boylston.
1875	Lincoln, Winslow S.	Worcester.
1875	Lincoln, Miss Kate Von W.	"
1881	Lovell, Mrs. S. L. C.	"
1884	Lovell, Henry	"

M.

Date.	Name.	Residence.
	Merrifield, Alpheus*	Worcester.
	Merrick, Francis T.*	"
	Miller, Henry W.	"
	Messenger, David S.	"
	Merrifield, F. N.	"
	Merrifield, Ann B.*	"
	Merrifield, William T.	"
	Merrifield, Catharine A.*	"
	Mason, L. L.*	"
	Maynard, William G.	"
	Morse, James C.*	"
	Merrifield, A. M.*	"
	Mason, Joseph	"
	Miles, Charles M.	"
	Miller, S. P., M. D.*	"
	Marsh, Alexander	"
	Mason, John C.*	"
	Merrick, Sarah R.*	"
	Merrifield, Mrs. Wm. T.	"
	Messenger, Elizabeth F.	"
	Miller, Ruth Ann	"
	Miller, Alice M.	"
	Merrifield, William F.	"
	Merriam, Thomas*	"
	Moore, David T.*	Boylston.
	Morse, Adolphus*	Rochester, N. Y.
	May, Samuel, Jr.*	Leicester.
	Murdock, Joshua, Jr.*	"
	McFarland, H.	Framingham.
	Moore, J. H.	Charlton.
	Merriam, Isaac S.	Auburn.
	McLellan, James	Sutton.
	Moen, Philip L.	Worcester.
1854	Merrifield, Henry K.	"
1854	Metcalf, Caleb B.	"
1855	Moore, Ashley	"
1857	Mills, Isaac*	"
1857	Merriam, N. K.	Grafton.
1859	Merrifield, Maria J.*	Worcester.
1859	Merrifield, Harriet	"
1859	Marble, F. M.	Grafton.
1862	Morse, Edwin	Worcester.
1863	Mascroft, William D.	Northbridge.
1863	Messenger, Miss Mary A.	Worcester.
1864	Mower, Miss Caroline C.	Worcester.
1865	Marsh, Henry A.	Worcester.
1865	Merrifield, Mrs. Lucy A.	"
1865	Morgan, Charles H.	"
1865	Messenger, Miss Susie S.	"
1865	Madaus, Charles	"
1865	Messenger, Frank Langdon	"
1866	Marble, Henry	Millbury.
1866	Morey, Oliver S.	Shrewsbury.
1866	McPherson, Mrs. Elizabeth W.	Worcester.
1867	Morse, Mrs. C D.	Millbury.
1867	Martin, Miss Mary W.	Worcester.
1867	Morse, Mrs. Mason H.	"
1867	Murphy, John	"
1870	McFarland, Edwin D.	"
1871	Morrison, Stephen	"
1871	Morey, Mrs. L.	Shrewsbury.
1872	Midgeley, John	"
1872	McIntire, Benjamin F.	Millbury.

M.

Date.	Name.	Residence.
1872	Macullar, Addison	Worcester.
1866	Moen, Mrs. Maria S. G.	"
1873	Morse, C., Jr.	"
1874	Mascroft, Henry C.	"
1880	Morse, Miss Fanny C.	"
1881	March, David T.	Millbury.
1882	Moore, Miss Sarah A.	Worcester.
1882	Marble, Edward F.	"
1884	Merrifield, Mrs. F. H.	"
1886	McWilliams, Geo.	Whitinsville.

N.

Date.	Name.	Residence.
	Newcomb, Henry K.*	Worcester.
	Nelson, Jonathan*	"
	Newton, Rejoice*	"
	Nash, Charles	"
	Newton, John C.	"
	Nelson, Rev. John*	Leicester.
	Newton, Wm., M. D.	Worcester.
1854	Nourse, Benj. B.*	Westborough.
1863	Nelson, Thomas L.	Worcester.
1863	Norcross, Thomas R.	Shrewsbury.
1864	Nichols, E. W.	Worcester.
1865	Newton, Mrs. James H.	Holyoke.
1866	Nichols, Mrs. C. P.	Worcester.
1867	Newton, Mrs. John C.*	"
1867	Newell, Mrs. Ann M.	Boylston.
1867	Newton, Miss Sarah E.	Millbury.
1872	Nelson, Mrs. Thomas L.	"
1880	Nelson, Miss Louisa B.	Worcester.
1883	Neilson, John	"

O.

Date.	Name.	Residence.
	Oliver, Edward H.*	Worcester.
1863	Osgood, James H.*	"
1870	Olin, Matthias*	Springfield.
1866	Onthank, J. M.*	
1879	Overend, Walter E.	Worcester.

P.

Date.	Name.	Residence.
	Paine, Frederick W.*	Worcester.
	Paine, Henry*	"
	Paine, Charles*	"
	Paine, Gardiner*	"
	Pratt, Joseph	"

P.

Date.	Name.	Residence.
	Phillips, Moses D.*	Worcester.
	Pond, John F.*	"
	Pickford, J. K. L.*	"
	Phelps, Horatio	"
	Paine, J. W.	"
	Perry, Samuel*	"
	Park, John*	"
	Pratt, Jotham B.*	"
	Perkins, Joseph*	"
	Phelps, J. Emory	"
	Prentiss, Charles G.*	"
	Putnam, F. H.*	"
	Pratt, Sylvanus*	"
	Prentice, Henry*	"
	Paine, William R.*	"
	Piper, William*	"
	Putnam, Charles L.*	"
	Paine, Ann E.	"
	Paine, Mrs. Charles*	"
	Paine, Anna C. S.*	"
	Pratt, Sumner	"
	Pratt, W. W.*	"
	Parker, Grenville*	"
	Putnam, S. P.	"
	Partridge, Joseph L.	Boston.
	Patrick, John*	Warren.
	Parmenter, Silas	Westborough.
	Perrin, Payson H.	"
	Phelps, Henry R.	"
	Pierce, Charles A.	Grafton.
	Potter, Hervey K.*	"
	Porter, Joshua, Jr., M. D.*	North Brookfield.
	Pierce, Thomas	Spencer.
	Pope, Jonathan A.	Millbury.
	Perry, Dexter H.*	Worcester.
	Peck, Frederick M.	"
	Parkhurst, Nathaniel R.*	"
1854	Paine, Nathaniel	"
1854	Partridge, Elbridge G.	"
1854	Phelps, Henry	"
1854	Proctor, Edward	Spencer.
1855	Paine, Miss Alice W.	Worcester.
1855	Paine, Miss Elizabeth F.	"
1856	Peaslee, Abram*	"
1856	Patch, Whipple W.*	"
1856	Pratt, Daniel R.	"
1857	Phillips, Luther	"
1862	Phillips, Ivers	"
1863	Pond, Lucius W.	"
1863	Pratt, Charles B.	"
1863	Phelps, George E.	"
1863	Pinkham, James S.*	"
1864	Phillips, Miss Marianne	"
1864	Pike, James T.*	"
1864	Pierce, Mrs. Charles L.*	"
1865	Paine, Mrs. D. H.	"
1865	Pratt, Mrs. Sumner	"
1865	Pratt, Miss Emma A.	"
1865	Read, Miss Sarah E.	"
1865	Pratt, Frederick S.	"
1865	Pratt, Edward R.*	"
1865	Pierce, James R.*	"
1865	Phelps, Mrs. Sallie	"
1865	Phelps, Miss Sarah D.	"
1865	Phelps, Miss Mary R.	"

P.

Date.	Name.	Residence.
1865	Phelps, Miss Deborah	Worcester.
1865	Phelps, Miss Helen E.	"
1865	Peckham, George R.*	"
1866	Parsons, Mrs. Solomon*	"
1867	Parsons, Mrs. Samuel B.	"
1867	Parker, Mrs. Aaron	"
1867	Piper, George M.	"
1867	Parker, Henry L.	"
1867	Pierce, Charles L.	"
1867	Pickett, Mrs. Josiah	"
1867	Phelps, John E.	"
1867	Peckham, Mrs. George R.	"
1868	Porter, Samuel A.	"
1869	Putnam, Archelaus	Holden.
1870	Perry, S. Payson	Auburn.
1871	Palmer, Addison	Worcester.
1873	Putnam, Samuel	"
1874	Parker, Henry L., Jr.	"
1874	Phelps, Mrs. Joseph E.	"
1874	Pierce, George M.	"
1875	Pierce, John M.	W. Boylston.
1875	Pollard, Edward C.	Worcester.
1875	Pratt, Samuel A.	"
1875	Parker, Mrs. C. E.	Holden.
1876	Phelps, William E.	Worcester.
1878	Phelps, Mrs. Henry	"
1878	Peters, John L.	"
1879	Parker, Charles E.	Holden.
1880	Pierce, James E.	W. Boylston.
1882	Perry, Miss Mary S.	Worcester.
1884	Putnam, Samuel H.	"
1884	Powers, Joseph W.	"
1884	Pond, Willard F.	"

Q.

Date.	Name.	Residence.
1878	Quimby, H. M., M. D.	Worcester.

R.

Date.	Name.	Residence.
	Rice, George T.*	Worcester.
	Richardson, George W.	"
	Richardson, Mrs. George W.*	"
	Rice, Darius*	"
	Russell, George W.	"
	Rice, Josiah*	"
	Rice, Thomas H.	"
	Reed, Benjamin*	"
	Rice, Sewall*	"
	Ramsay, O. A.	"
	Ripley, John C.*	"
	Rice, E. B.*	"
	Robbins, Charles B.	"
	Rice, George M.	"
	Rockwood, Adams	"

R.

Date.	Name.	Residence.
	Rice, Mrs. George T.	Worcester.
	Richardson, Anna M.	"
	Rice, Francis B.	"
	Randall, Abraham G.*	Millbury.
	Rice, Abbott B.*	Northborough.
	Rice, Danforth	Leicester.
	Rogers, Edward*	Webster.
1856	Ripley, Mrs. Sarah P. T.*	Worcester.
1856	Ruggles, Draper*	Worcester.
1856	Rice, George T.*	"
1856	Rice, Mrs. George T.*	"
1862	Reedy, John	"
1863	Richardson, Charles*	"
1863	Richardson, Miss Fannie A.	"
1865	Rogers, Israel M.	"
1865	Richardson, Mrs. Charles	"
1866	Reed, L. R. S.*	"
1866	Robinson, James*	"
1866	Rice, Miss S. Elizabeth	"
1866	Robinson, Mrs. James	"
1867	Rice, Ezra B.	"
1867	Rice, Mrs. J. Marcus	"
1870	Rogers, James S.	"
1871	Richardson, Clifford	"
1872	Rice, Peter*	"
1874	Rice, Miss Louisa A.	"
1875	Rogers, George W.*	"
1876	Reed, Henry, Jr.	"
1879	Rice, George Calvin	"
1880	Rogers, Mrs. Nellie F.	"
1880	Rice, Abner	"
1881	Record, S. H.	"
1881	Record, Mrs. S. H.	"
1881	Rich, Mrs. Annie P.	"
1881	Rich, George H.	"
1883	Reynolds, Henry T.	"
1884	Rice, Alden	"

S.

Date.	Name.	Residence.
	Salisbury, Hon. Stephen*	Worcester.
	Shepherd, James*	"
	Smith, Chandler*	"
	Stowell, David D.*	"
	Sweetser, Rev. Seth*	"
	Stone, Daniel*	"
	Stowe, Elijah*	"
	Shepherd, James, Jr.	"
	Stone, Aaron, Jr.	"
	Stowell, L. W.*	"
	Scott, Samuel B.*	"
	Sargent, Joseph, M. D.	"
	Southwick, Edward*	"
	Story, Simeon N.	"
	Spooner, Moses*	"
	Stoddard, Elijah B.	"
	Scott, David, Jr.*	"
	Stebbins, Edward S.	"
	Smith, Lewis*	"

S.

Date.	Name.	Residence.
	Sargent, Henry, M. D.*	Worcester.
	Salisbury, Mrs. S.*	"
	Smalley, Rev. Elam*	"
	Stone, Samuel V.*	"
	Smith, Lemuel*	"
	Smith, Samuel	"
	Selby, Samuel H.*	"
	Southgate, Isaac*	Leicester.
	Sargent, Joseph D.*	"
	Sargent, John*	"
	Stone, Abijah*	"
	Sargent, Homer E.	"
	Slater, George B.*	Webster.
	Sibley, Jonas L.*	Sutton.
	Slocomb, Horatio*	Saundersville.
	Snow, Henry*	Shrewsbury.
	Stone, Job C.*	"
	Slocomb, J. W.*	Grafton.
	Smith, Asa F.	"
	Sanford, Rev. William*	Boylston.
	Stone, Joseph	Westborough.
	Southworth, Chas.	Northborough.
	Sibley, D. B.	Millbury.
	Sumner, Sullivan	Milford.
	Smith, R. R.	Lynn.
	Symmes, C. T.	Lancaster.
1854	Sears, Sylvanus	Worcester.
1854	Smith, Larkin*	"
1854	Stowe, Martin*	"
1855	Snow, Winsor N., M. D.	"
1855	Strong Francis	"
1856	Smith, L. F.	Northbridge.
1856	Sprague, A. B. R.	Worcester.
1856	Stiles, Francis, Jr.	"
1860	Stone, Josiah G.*	Shrewsbury.
1862	Swett, William O.	Worcester.
1862	Stone, Timothy S.*	"
1862	Sawyer, Ezra	"
1863	Stearns, Edwin*	Millbury.
1863	Struthers, William C.*	"
1863	Slocum, George F.*	Grafton.
1863	Swan, Elliott	Worcester.
1864	Searles, Miss Lydia A.	Wilkinsonville.
1864	Sawyer, Stephen	Worcester.
1865	Salisbury, Stephen, Jr.	"
1865	Scofield, James M.*	"
1865	Smith, Charles W.*	"
1865	Scott, Mrs. David	"
1865	Sumner, Mrs. George	"
1865	Sumner, George	"
1865	Smith, Miss Harriett A.	"
1865	Smythe, W. A. S.*	"
1865	Smith, J. Sargent	Leicester.
1866	Scott, Miss Alice	Worcester.
1866	Sears, Alden H.	"
1866	Smith, James A.	"
1866	Smith, Sidney	"
1866	Shaw, Mrs. John B.	"
1867	Sturtevant, Mrs. Harvey	"
1867	Smith, Miss Sarah M.	"
1867	Streeter, John P.	"
1867	Stone, Mrs. Lottie J.	"
1867	Stone, Miss L. Jennie*	"
1867	Stone, Miss Mary A.	"
1867	Stone, Miss Lizzie	"

S.

Date.	Name.	Residence.
1867	Stone, George H.	Worcester.
1867	Sanders, Eri	"
1868	Skinner, Miss Kate J.	"
1868	Smith, Woodbury C.	"
1871	Stowe, Luther	"
1871	Spinney, George	"
1871	Southwick, Thomas	Leicester.
1872	Schaff, Mrs. Sarah D.	"
1872	Stiles, Frederick G.	Worcester.
1872	Smith, Chas. Henry	Millbury.
1874	Southwick, Mrs. Thomas	Leicester.
1874	Stiles, Mrs. Fred'k G.	Worcester.
1874	Staples, Samuel E.	"
1874	Searles, David H.	Sutton.
1875	Smith, Stephen H.	W. Boylston.
1877	Stone, Charles W.	Worcester.
1879	Smith, Miss J. F	"
1879	Smith, Miss Mary A.	"
1880	Smith, Charles D.	"
1881	Smith, Thomas	"
1882	Sargent, Mrs. Wallace E.	"

T.

Date.	Name.	Residence.
	Thomas, Hon. Benjamin F.*	West Roxbury.
	Tolman, Albert	Worcester.
	Tead, Nathaniel*	"
	Taft, Putman W.*	"
	Tower, Horatio N.*	"
	Taft, George C.	"
	Trumbull, George A.*	"
	Tainter, Daniel*	"
	Thurber, Charles	"
	Tourtellott, S.*	"
	Tucker, Thomas*	"
	Taft, Stephen*	"
	Thomas, Mrs. B. F.*	"
	Olney, Mrs. Richard	"
	Tenney, Daniel*	Sutton.
	Taylor, Samuel	"
	Thayer, Joseph*	Uxbridge.
	Taft, Bezaleel*	"
	Torrey, Samuel D.*	Millbury.
	Taylor, Thomas	Dudley.
	Taft, Lewis S.	Uxbridge.
	Tucker, Augustus*	Worcester.
1854	Thurston, Joseph*	"
1854	Tiffany, P. Dexter*	"
1855	Thurston, David C.*	"
1855	Thurber, Mrs. M. F.	"
1856	Tiffany, Mrs. H. K.	"
1856	Trumbull, Miss Susan	"
1856	Tiffany, John K.	"
1856	Thomas, Benjamin F., Jr.*	"
1858	Thompson, William C.*	"
1859	Tourtellott, S. D.*	"
1860	Thurston, William H.	Oxford.
1862	Trumbull, John	Worcester.
1863	Taft, Calvin*	"

T.

Date.	Name.	Residence.
	Tainter, Harvey S.*	Worcester.
1864	Tainter, Mrs. Daniel	"
1864	Thayer, Alexander	"
1864	Taft, Mrs. Calvin	"
1865	Thompson, Simeon E.*	"
1865	Taft, Lyman J.*	"
1865	Taft, Mrs. Lyman J.	"
1865	Taft, Henry G.	"
1865	Turner, Mrs. Peter J.	"
1865	Taft, Edward C.	"
1865	Thayer, Benjamin	"
1865	Tower, Miss Addie L.	"
	Thayer, Perry	"
1866	Thayer, Horace*	"
1866	Thayer, Mrs. Horace	"
1866	Tainter, Mrs. E. C.	"
1867	Tainter, Ephraim C.	"
1867	Trask, Mrs. F. J.	Leicester.
1867	Tarbox, John L.	Worcester.
1870	Taylor, R. C.	"
1870	Townsend, Velette P.	"
1870	Thayer, Charles D.	"
1871	Thompson, C. O.*	"
1872	Tainter, Charles E.	"
1874	Thompson, Miss Ella G.	"
1876	Thurston, L. D.	Leicester.
1878	Tolman, Miss Mary	Worcester.
1883	Talbot, Thomas	"
1884	Tourtellott, Daniel C.	"

U.

Date.	Name.	Residence.
	Upham, George*	Worcester.
	Upham, Baylies*	"
	Underwood, Orison	Milford.
	Underwood, Austin	Westborough.
1866	Upham, Harvey G.	Worcester.
1870	Upham, Roger F.	"
1881	Upham, Mrs. Harvey G.	"

V.

Date.	Name.	Residence.
	Vaill, Edward W.	Worcester.

W.

Date.	Name.	Residence.
	Waldo, Hon. Daniel*	Worcester.
	Washburn, Ichabod*	"
	Workman, William, M. D.*	"
	Woodward, Rufus, M. D.*	"
	Wheeler, William A.*	"
	Washburn, Hon. Emory*	"
	White, James*	"

W.

Date.	Name.	Residence.
	Willard, Fitzroy*	Worcester.
	Whiting, Charles H.	"
	Williams, William A.	"
	Whittemore, Charles	"
	White, Charles*	"
	Walker, Asa*	"
	Walker, Benjamin	"
	Walker, Joseph, Jr.*	"
	Williams, Warren	"
	Ward, Artemas*	"
	Wheeler, Miss F. N.	"
	Wheeler, George W.*	"
	Wheeler, William F.	"
	Ward, Daniel	"
	Whiting, Charles B.	"
	Whittemore, Miss E. J.	"
	Whitcomb, John P.*	Harvard.
	Woodward, Samuel B., M.D.*	Worcester.
	Waters, Asa H.	Millbury.
	White, George W.	Cambridge.
	White, Alonzo	Leicester.
	Watson, Horace C.	"
	Woodcock, Josephus	"
	Woodcock, Lucius	"
	Whitin, Hon. Paul*	Whitinsville.
	Whitin, John C.*	"
	White, Charles	Northbridge.
	Wing, Hiram*	"
	Work, John W.*	Templeton.
	Weed, Jared*	Petersham.
	Whiting, B. D.	Boston.
	Whiting, B. G.	Lunenburg.
	Wheeler, Jonathan D.	Grafton.
	Wood, Samuel*	"
	Wheelock, William A.	Dudley.
	Wheaton, Henry S.*	California.
1854	Wheeler, Charles A.*	Worcester.
1854	Woodward, Josiah L.	Millbury.
1854	Willard, Mrs. Fitzroy*	Worcester.
1855	Whiting, Benjamin F.	"
1855	Williams, James Otis*	"
1855	Washburn, Henry S.	"
1855	Ward, Samuel D.	Shrewsbury.
1855	Whittier, Charles V.	Northbridge.
1856	Whitin, N. D.	"
1856	Wood, J. G.*	Millbury.
1856	Whiting, George W.	Worcester.
1857	Williams, Hartley*	"
1858	Woodward, Henry	"
1858	Woodward, Samuel	"
1859	Ward, Thomas W.	Shrewsbury.
1862	Willard, Calvin*	Worcester.
1862	Wyman, Mrs. Abby	"
1862	Wyman, Miss Nellie M.	"
1862	Wood, Newell	Millbury.
1863	Wheeler, William H.	Grafton.
1863	Warren, John M.*	Worcester.
1863	Washburn, Nathan	"
1863	White, William	"
1863	Whitcomb, Carter*	"
1863	Warren, Rufus C.	Grafton.
1863	Whittier, Mrs. Nellie S.	Worcester.
1863	Wing, Henry F.	Grafton.
1864	Works, Edwin D.	Fitchburg.
1864	Wheeler, Mrs. Nelson	Worcester.

W.

Date.	Name.	Residence.
1864	Wheeler, Henry A.	Worcester.
1864	White, Dea. Cyrus	Millbury.
1864	Workman, Miss Louisa J.	Worcester.
1864	Whipple, Franklin	Worcester.
1865	Woodcock, Theodore E.	Leicester.
1865	Wheeler, Mrs. Geo. W.	Worcester.
1865	Wheeler, Miss Mary G. B.	"
1865	Williams, Miss Henrietta F.	"
1865	Williams, Miss Mary E.	"
1865	Workman, Mrs. Wm.	"
1866	Wheeler, Miss Nancy*	"
1866	Wellington, Timothy W.*	"
1866	Wellington, Mrs. Timothy W.	"
1866	Wellington, Frederick W.*	"
1866	Whiting, Miss Mary F.*	"
1866	Whittier, Melvin O.	"
1866	Winn, Mrs. Francis	"
1866	Warren, John D.*	"
1867	Williams, Mrs. Hartley	"
1867	Whittemore, Mrs. Asa D.	"
1867	Willard, Miss Mary E.	"
1867	Wheeler, Erastus S.	Berlin.
1867	Wilson, George W.	Worcester.
1868	Ward, Mrs. Daniel	"
1868	Willard, Mrs. Calvin*	"
1868	Waite, Andrew J.	"
1869	Woodwell, Charles H.*	"
1870	Whittemore, Mrs. Charles	"
	Weston, Miss J. A.	"
1871	Washburn, John D.	"
1871	Witherby, L. B.	"
	Waters, Charles H.*	Groton.
1871	Willis, Clara	Worcester.
1872	White, Miss Lizzie	"
1872	Walker, Joseph H.	"
1872	Watson, L. S.	Leicester.
1872	Woodward, Mrs. Mary E.	Worcester.
1873	Whitcomb, G. Henry	Worcester.
1873	Whitcomb, Mrs. Abbie E.	"
1873	Ward, Frederick W.	"
1874	Whittier, Miss Mabelle E.	"
1874	Ward, Miss Ella H.	Shrewsbury.
1874	Williams, Mrs. Warren	Worcester.
1875	Workman, Dr. William Jr.	"
1879	Willard, Dr. Franklin B.	Boylston.
1880	Ward, Mrs. Thomas	Worcester.
1880	Watts, H. B.	Leicester.
1880	Wakefield, C. H.	Worcester.
1882	Woodis, Mrs. Julia	"
1882	Ward, Mrs. Austin W.	"
1882	Watts, Mrs. H. B.	Leicester.
1882	Wilson, Mrs. Abiel E.	Worcester.
1884	Wyman, O. B.	Shrewsbury.
1885	Wesson, Frederic H.	Worcester.

Y.

Date	Name.	Residence.
	Young, Loring*	Leicester.
1854	Young, Priestley	Worcester.
1864	Young, Mrs. Priestley*	"
1871	Young, Mrs. Julia	"

HONORARY MEMBERS.

Date.	*Name.*	*Residence.*
	Kenrick, John A.*	Newton.
	Kenrick, William*	"
	Walker, Samuel*	Roxbury.
	Wilder, Marshall P.	Dorchester.
	Warren, J. L. L. F.*	California.
	Winship, Jonathan*	Brighton.
	Winship, Francis*	"
	Breck, Joseph*	"
	Carter, William E.	Cambridge.
	Hovey, Charles M.	"
	Downing, Andrew J.*	Newburgh, N. Y.
	Downing, Charles*	Newburgh, N. Y.
	Cabot, Joseph S.*	Salem.
	Manning, Robert*	Salem.
	Meehan, Thomas	Germantown, Pa.
1871	Leroy, Andre*	Angers, France.
1871	Krelage, J. H.	Haarlem, Holland.
1876	Barry, Patrick	Rochester, N. Y.
1876	Warder, John A.*	Cleves, Ohio.
1876	Gray, Asa	Cambridge.
1876	Parkman, Francis	Boston.
1876	Strong, William C.	Brighton.
1876	Hyde, J. F. C.	Newton.
1876	Flint, Charles L.	Boston.
1876	Sargent, Charles S.	Brookline.
1876	Thomas, John J.	Union Springs, New York.